# CHEMISTAND DRUGGIST

For Retailer, Wholesaler and Manufacturer

**JANUARY 22 1955** 

TRADE MARK

Savlon

a popular antiseptic cream

<mark>ontaining 'Cetavlon'</mark>

'Savlon' is a new antiseptic cream containing as its active constituent the well-known quaternary ammonium compound—'Cetavlon'.

Designed to appeal to a wide section of the public, 'Savlon' can be recommended by the pharmacist with full confidence in its efficiency and safety for a great variety of uses including first aid treatment of wounds, cuts and burns, treatment of common skin complaints, prevention of

napkin rash, etc. Every customer is a potential user of this modern all-purpose cream which is on sale only through the pharmacy.

Retail price 2/6d. per tube. Trade price 1/9d. per tube.

Large advertisements will continue to appear in

DAILY HERALD, DAILY MAIL, DAILY MIRROR, NEWS of the WORLD, SUNDAY PICTORIAL, PEOPLE, WOMAN'S OWN, GLASGOW SUNDAY POST, READER'S DIGEST, WOMAN'S WEEKLY AND JOHN BULL. FULL POINT-OF-SALE SHOW MATERIAL IS AVAILABLE.

LINK UP WITH THE NATIONAL ADVERTISING BY DISPLAYING SAVLON ON YOUR COUNTER.

IMPERIAL CHEMICAL (PHARMACEUTICALS) LTD., WILMSLOW, MANCHESTER

A subsidiary company of Imperial Chemical Industries Ltd.



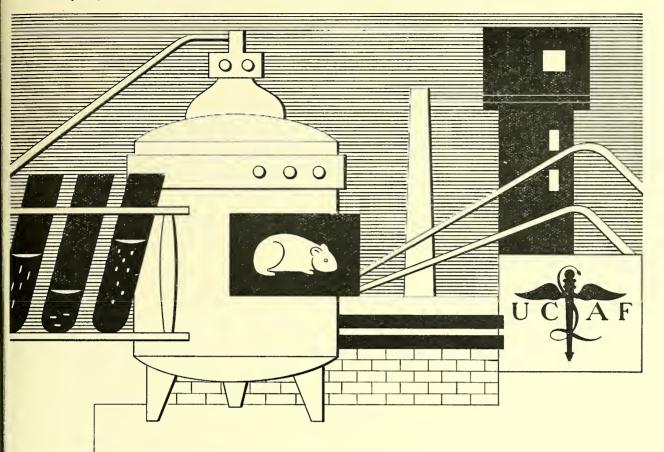


### BONUS OFFER!

National Advertising will bring quick sales wherever Cussons Apple Blossom hand cream is displayed. We are pleased to offer stockists who undertake to feature this display bex prominently an extra tube of the hand cream *Free* for every dozen ordered.

BIG DEMAND NATIONAL BIG POLLOW NATIONAL ADVERTISING NOW TO ENSURE PANDE STOCKS ORDER NOW TO ENSURE PANDE STOCKS ORDER NATIONAL RETAIL PRICE 2/6 LARGE TUBE

CUSSONS SONS & CO LTD, KERSAL VALE, MANCHESTER 7







Glycosides & Alkaloids

Biological products.

# UCLAF

SOLE AGENTS

ROUSSEL LABORATORIES LTD

847, Harrow Road · London N.W. 10

Telephone: LADBROKE 3608

# Stable, soluble, palatable calcium

aspirin can now be administered in bland, complete solution-as 'Disprin'. Disprin tablets not only overcome the two well-known defects of ordinary aspirin; but also that of calcium aspirin, which, as generally prepared, is liable to chemical breakdown during manufacture and storage. In the form of Disprin, dosage with calcium aspirin becomes both predictable and palatable.

# DISPRIN Prov

Provides stable,

soluble, palatable calcium aspirin.

### Introducing



### Relieves Rheumatic Pain

A non-greasy, readily absorbed cream for use as an adjunct in the treatment of rheumatic and allied conditions. Contains:—Squalene 10%,  $\beta$ -Chloroethyl Salicylate 10%, Oleoresin of Capsicum 0.1%, Menthol 4%, Histamine Hydrochloride 0.1%.

In analym the salicylate is presented in a new form which gives a gradual release of the active radicle.

Histamine has a vaso-dilatory effect which helps to increase the supply of blood to the affected area. At first menthol produces a feeling of cold, but this is succeeded by a sensation of heat, and the skin temperature of the area being higher than that of other parts of the body, the vessels are partly dilated.







PACKING & TERMS:

In 1 oz. tubes, 3/6d. inc. P.T. Attractive counter display cartons of 1 dozen and an introductory bonus offer of 13 to the dozen.





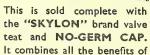
#### **DUAL PURPOSE** FEEDER



POLYTHENE FEEDING BOTTLE

SKYLON

Begd, Trade Mark



a feeding bottle with the advantages of a food measure. Additionally the wide neck permits of easier filling, and the large teat allows the nearest approach to natural feeding. PATA

The new modern lightweight feeding bottle that no mother should be without. Indispensable at all times. Made of Pure Polythene. Safe and

- UNBREAKABLE
- HYGIENIC
- TASTELESS
- ODOURLESS

UNAFFECTED BY FOODSTUFFS

All standard teats fit neck. Will keep contents warm longer than any glass bottle.



Manufactured by

Obtainable from your usual Wholesoler

#### FIBRENYLE LTD.

157 DUKES RD., LONDON, W.3 TELEPHONE : ACORN 5073

Baby take a bow! REGISTERED TRADE MARK

REATE RECORD SALES



OPPENHEIMER CASING Co. (U.K.) Ltd., 159-165 Harrow Road, London, W.2 Tel: PADdington 7431

... (Insert Retailer or Wholesaler) I am Interested in HYPAK Nursery Bags.

Address

...... C&D (22/1/55)

Scottish Sales Depôt: Thornybauk, Fountainbridge, Edinburgh, Telephone; Fountainbridge 1403

#### FIRE FIEND v. NU-SWIFT

We know who will win. Please send us details of your wonderfully rapid and reliable Fire Extinguishers before it is TOO LATE!

Name

Address. Post now to Nu-Swift Ltd., Elland, Yorks.

—AHEAD OF THE FIRE FIEND'S VISIT!

In Every Ship of the Royal Navy

#### **ANÆMIA TABLETS** PIGLET



Containing 0.5 g. reduced iron with copper and cobalt. Bottles of 30 and 100. Retail 2/71 and 5/3.

Nationally advertised in farming journals USUAL TRADE TERMS FOR CHEMISTS ONLY

HODGES & MOSS LTD 6 CASTLE GATES . SHREWSBURY

#### INDEX TO ADVERTISERS

Abbott Laboratories, Ltd	16 29 iii	Crosskill, C. R., & Sons	ii
Allen, Stafford & Sons, Ltd. Askit, Ltd.	21 46	Daniel, Richard, & Son, Ltd	15
Ayrton, Saunders & Co., Ltd.	17	Disprin	2
		Distillers Co. (Biochemicals), Ltd., The Domestos, Ltd.	28 43
Bailey, Robert, & Son, Ltd.	48	,	
Barker, Robert, & Son, Ltd.	48	Edme, Ltd.	53
Bayer Products, Ltd.	35		
Beatson, Clark & Co., Ltd.  Bees, Ltd.	36 19	Feedrite, Ltd.	22
Biddle, Sawyer & Co., Ltd Interleaved Edit.,		Fibrenyl, Ltd.	4
British Drug Houses, Ltd., The	5		48
British Dyewood Company, Ltd., The	38		38 47
British Felsol Co., Ltd	1V 14	Tullian, B. N. (Froductions), Etc.	* /
Burroughs Wellcome & Co.	31	Gerard Bros., Ltd.	19
Burson Elastic Hosiery	46		46
		,,,,,	
Carnegies of Welwyn, Ltd.	6	Hanovia, Ltd.	30
Chemist & Druggist Poisons Guide	42	Heinz, H. J., & Co., Ltd.	33
Chemist & Druggist Refresher Course	48		8
Chemist & Druggist Chemists' Veterinary Handbook,	51	Hodges & Moss, Ltd. Holland, I., Ltd.	4 52
The Clinical Products, Ltd.	13	rionand, 1., Etc.	
Colby Products, Ltd.	52	Inecto Enquiry Bureau	44
Compressed Paper Packing, Ltd.	37	Zingariy Dareau	, ,
Cox, Arthur H., & Co., Ltd.	8	( time - d d d d d d d d d d d d d d d d d d	
Crookes Laboratories, Ltd., The	3	(continued overlea	IJ)



INDEX (cont.)	Parke, Davis & Co., Ltd Leader Page Pure Lemon Juice Co., Ltd
Imperial Chemical (Pharmaceuticals), LtdCover i	
Jeffreys, Miller & Co., Ltd	Raymond (Art de Coiffure), Ltd. 53 Ribbands, C., & Sons
Kearsley, C. & G., Ltd.38Keliys, John (London), Ltd.48Kennet Price Markers36	Roussel Laboratories, Ltd. 1 Rozalex, Ltd. 38
	Searle, A., & Co.       37         Sharp & Dohme, Ltd.       45
Laporte Chemicals, Ltd. 44 Lastonet Products, Ltd. 50 Lehn & Fink Products, Ltd. 18	Simpson's Manufacturing Pty., Ltd. 50 Smith & Hill (Chemists), Ltd. 50 Smith, T. J., & Nephew, Ltd. 26
Lipworth, Alex., Ltd. 52 Lucozade, Ltd. 49	Spa Brushes, Ltd. 27 Standard Synthetics, Ltd. 36
"Lux Toilet Soap"	Stemco, Ltd
Macdonald & Son, Ltd.23Maw, S., Son & Sons, Ltd.30Medico-Biological Laboratories, Ltd.54Menley & James, Ltd.25	Taylor Reeson Laboratories, Ltd. 19 Thermos (1925), Ltd. 47
'Myers of Old Street'	United Glass Bottle Manufacturers, Ltd 24
National Glass Works (York), Ltd. 12 Niblett, C. P. 48	Vitamins, Ltd 9
Nu-Swift, Ltd. 4	Warner, William R., & Co., Ltd. 32 Wesley, Harold 36
Oppenheimer Casing Co. (U.K.), Ltd., The	Whitecross Optical Co. (London), Ltd. 47 Wiles, C., Ltd. 38 Wimsol, Ltd. 48

From the Carnegie Range of Fine Chemicals

# THEOBROMINE AND SALTS

CARNEGIES OF WELWYN LTD

Telegrams: 'CARNEGIES, WELWYN GARDEN CITY'
Telephone: WELWYN GARDEN 5001
(6 lines)



Six prizes—each consisting of fourteen days in lovely Ostend any time during June or September, 1955, for you and your family (or you and a friend if you are single). First class hotels. First class food. First class travel there and back. All free—plus £50 to spend while you are there.

Here's how to win. If you are a shop owner or manager, simply see that all your counter assistants enter the Contest. If one of them wins, there's an entirely separate free holiday for you too.

If you are an assistant, start to-day collecting the bands from all the packets of Modess Masslinn sanitary towels you sell. Fill in the Entry Form below, completing the sentence: "I recommend Modess Masslinn to my customers because . . ." using not more than twenty additional words. Then send it in with 50 bands. Send as many entries as you like, providing each is accompanied by 50 bands. Prizes will be awarded to the six entries judged to be the most apt, original and sincere. Prize-winning entries will be chosen by an independent panel of judges. The judges' decision shall be final and no correspondence can be entered into. Proof of posting cannot be accepted as proof of delivery. The last date for entries to reach us is 30th April, 1955.

# ENTRY

To: Johnson & Johnson (Gt. Britain) Ltd., Dept. CD., 24-25 Princes Street, London, W.1. Fill in this coupon and attach it to your entry on a plain sheet of paper on which you should complete the sentence: "I recommend Modess Masslinn to my customers because . . . ." using not more than twenty additional words. Be sure to send 50 Modess Masslinn bands with your entry.

Name \_\_\_\_\_

Shop Address

I have read the rules of the Contest and agree to abide by them.



Available in 9 attractive packaging styles including Chemist's 'Own Brand' series.

ARTHUR H. COX & CO. LTD. Manufacturing Chemists since 1839 BRIGHTON



#### Unbeatable value!

#### Hinders

## RADIARAY

Infra Red and Radiant Heat Lamps are the answer to public demand for quality at prices within the reach of all

> Attractively designed, soundly constructed from first-class materials, and beautifully finished, the wide range includes two Tax free Prescription models. Quick Delivery Assured.

Illustrated brochure available from Dept. 4. Hinders Limited 174/192 Estcourt Road, London, S.W.6 Est. 1919

for the treatment of coma and delivium from drugs or alcohol and various psychoses

#### PARENTROVITE

... the culmination of investigations which have been carried on for over 15 years in many countries.

From initial clinical trials less than a year ago, the use of PARENTROVITE has increased rapidly. It is now being employed with outstanding success in teaching hospitals in London, many provincial hospitals and some of the bigger mental hospitals.

PARENTROVITE consists of highly concentrated injectable solutions of the vitamin B-complex and vitamin C, and the rationale of its use depends on the known interactions between these vitamins and the enzyme systems concerned in intracellular glucose oxidation in the brain. When these are disturbed or inhibited, as for example in toxic states resulting from severe infection, alcoholism or overdosage with drugs (especially of the barbiturate class), massive dosage is needed to reverse the process.



Ampoules are supplied in pairs of 5 c.c. for intravenous injection in acute conditions, and in smaller volumes for intramuscular injection. Boxes of 3 pairs.

#### a product of VITAMINS LIMITED

Further information and special literature on request. (DEPT. AA 2) UPPER MALL, LONDON, W.6.

The following are a few of the papers which indicate the course of developments which have led to the introduction of PARENTROVITE.

1944 J. Amer. med. Ass., 126, 752.

1944 J. ment. Sci., 90, 95.

1948 Amer. J. Psychiat., 105, 2, 107.

1948 J. nerv. ment. Dis., 110, 1.

1950 Ann. intern. Med., 32, 261.

1950 Lancet i. 287.

1951 Lancet ii, 1057.

1951 Brit. med. J., ii, 411

1952 Amer. J. Psychiat., 108, 888.

1953 Lancet i, 570.

1953 Med. World 79, 579.

1954 Proc. Rov. Soc. Med., 47, 215.

1954 J. Amer. med. Ass., 155, 114.

1954 Brit. J. Addict., 51, 29 & 39.

#### PACKS AND PRICES

	Professional	Net Price to Chemist *
For Intravenous injection	13 2	9,'9
Intramuscular, high potency	13′2	9/9
Intramuscular maintenance	10 11	7/6

All prices are per box of 3 pairs of ampoules

The basic cost to the N.H.S. is the same as the price to the Chemist.

Preparations for oral administration following Parentrovite therapy

OMNIVITE FORTE—a ooly-vitamin tablet BEFORTISS & BECOVITE—tablets and elixirs containing, in various strengths, ancurine hydrochloride, nicotinamide, riboflavine and pyridoxine.

**BETAVEL**—tablets, aneurine hydrochloride. **ASCORVEL**—tablets, ascorbic acid.





World's Nº I Insecticide — Another (Esso)



**Product** 

## GIVES YOU THESE EXTRA BIG PROFITS IN 1955

58%
PROFIT
every £10 order
costs £9

53%
PROFIT
on every £8 order
costs £7-8-0

50%
PROFIT
on every £5 order
costs £4-15-0

#### Choose from these big offers!

On mixed orders for FLIT Liquid Insecticide, FLIT
Sprayers, FLIT Powder and FLIT Flycards, you get these Special
Discounts—

10% ON ALL ORDERS TO LIST VALUE OF £10 AND OVER.

 $7\frac{1}{2}$ % on all orders to list value of 48 and over.

5% ON ALL ORDERS TO LIST VALUE OF \$5 AND OVER.

**Note:** FLIT Flycards may now be included in Bonus Parcels in minimum quantities of 6-dozen lots. All list prices and prices to public remain unchanged.

#### **FLIT LIST PRICES**

	Siz	e				cked in Containing	Retail Price	List Price
8-OZ.	•	•				2 DOZ.	I/9 EA.	15/- DOZ.
16-OZ.		•	•	•		1 .,	3/- ,,	25/- ,,
32-OZ.		•	•	•		ł ",	5/3 ,,	44/
160-OZ.				•		SINGLY	20/,	168/
160-OZ. L	LIVES	TOCK	SPF	RAY		**	12/6 ,,	105/
FLIT SPR	AYE	RS.				I DOZ.	3/9 ,,	32/
2-OZ. FLI	T PC	WDE	R PU	FFER	PACK	2 ,,	1/2 ,,	9/4 ,,
4-OZ. FLI	IT A	EROS	)L			1 .,	5/3 ,,	46/-
6-OZ. FLI	IT A	EROS	OL	•		1 "	6/6 ,,	57/- ,,
12-OZ. FL			OL	•	•	1/2 "	10/6 ,,	92/ .,
FLIT FLY	CAR	DS				🕯 GROSS	4d. ,,	32/- GROSS

PROER NOW AND DISPLAY FLIT
FOR EARLY SALES!
To qualify for bonus

rms, orders must be placed either direct or through ur wholesaler in time for delivery by April 30th, 1955.

pnus orders for Aerosols must be kept separate.

ICO LIMITED, 128-132 ALBERT STREET, CAMDEN TOWN, LONDON, N.W.J.

# THE FOLLOWING PARCELS QUALIFY FOR SPECIAL BONUS ON FLIT AEROSOLS ONLY

#### 5% BONUS

4 DOZ. x 4 OZ.

OR I DOZ. x 4 OZ. AND 2 DOZ. x 6 OZ.

OR | 1 DOZ. x 4 OZ. AND 1 DOZ. x 6 OZ. AND

 $\frac{0}{1}$  DOZ. x 12 OZ.

OR | I DOZ. x 4 OZ. AND | DOZ. x 12 OZ.

#### $2\frac{1}{2}\%$ BONUS

2 DOZ. x 4 OZ.

OR | DOZ. x 4 OZ. AND | DOZ. x 6 OZ.

OR I DOZ. x 4 OZ. AND \(\frac{1}{2}\) DOZ. x 12 OZ.

Be sure to include one of these parcels with your Flit bonus order



DISPENSING BOTTLES

1-oz. to 20-oz.

**BOW-FRONT PANELS** 

1-oz. to 8-oz.

TABLET BOTTLES

Nos. 1 to  $7\frac{1}{2}$  sizes.

ROUND SCREW JARS

Tall and Semi-squat.

RIBBED OVALS

½-oz. to 16-oz.

PANELLED FLATS

1-oz. to 4-oz.

**OLIVE OIL BOTTLES** 

2½-oz., 5-oz. & 10-oz.

VIALS

 $\frac{1}{2}$ -oz. to 3-oz.

WHOLESALE ONLY

Bow-Front Panels now also available in 16 oz. size.

**Bow Front Panels** 

NATIONAL GLASS WORKS (YORK) LTD.

FISHERGATE, YORK, ENGLAND.

Cables NATIWORX York.

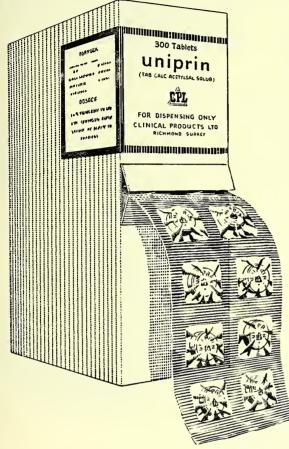
Also at 105 HATTON GARDEN, LONDON, E.C.1.
Cables: NATIWORX SMITH, London.



Prompt delivery from stock

Packed in easily handled cartons

# 2 special announcements



Now only one dispensing packing of

# uniprin

TAB ACID ACETYLSAL. SOLUB. (C.P.L.)

stable, soluble, palatable calcium-aspirin

Dispenser of 300 tablets, packed in "Clinitape" to preserve freshness and facilitate easy handling. This unit replaces the already well-known range of packings in bottles and tubes.

Only "Clinitape" packing of uniprin now available

#### Retail

18 tablets 1/3 each (incl. P.T.) trade — 9/- doz. (2/3 P.T.)
Packed 2 dozen in display outer.

#### Dispensing

trade — 300 tablets 6/8 (tax exempt)

#### arthripax cream bonus offer ends 31st January

ensure obtaining maximum profit by ordering NOW

24 × 10z tubes arthripax cream charged as 20 i.e. £2 + 12s. P.T.

Earning 1/2d profit on each tube sold

arthripax tablets and cream offer safe and effective dual therapy for prompt relief in all rheumatic conditions

Bonus parcels carry 10% extra discount if included in order for other "CPL" preparations (including dispensing packings) to the net value of £5 and over. Bonus orders delivered direct but will be invoiced through whole-saler if desired.

Detailed price list on request



#### CLINICAL PRODUCTS LTD RICHMOND SURREY

Telephone: RIChmond 4023/24, 4409, 5931



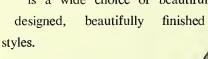
# Specially designed for CREAM POWDER CAKES

F1/250J

The popularity of Cream Powder calls for a specially designed compact, a fit companion for the most fastidious woman. The Beaubelle Beautifier is the per-

fect and charming answer. There

is a wide choice of beautifully





F1/83



F1/50SW

The cream powder refills can be simply snapped in, are held securely in

position by patented con-cealed spring catches and can be easily exchanged.



F1/23

F1/25E

\* See our exhibit at the HARROGATE GIFTS AND FANCY GOODS FAIR Jan. 31st-Feb. 4th GEORGE HOTEL, Room 208

F1/34RE

A. S. BROWN & CO. (MFG.) LTD.

79-83, COBORN ROAD, BOW, LONDON, E.3.

Telephone: ADVance 2671-3.

Cables: Fancybrown, London.



# TABLETS of QUALITY

Manufactured by modern machinery under skilled supervision

Quotations for large or small quantities

#### RICHARD DANIEL & SON LTD

MANUFACTURING CHEMISTS

MANSFIELD ROAD DERBY TEL. 48266 (4 lines)

AND AT GROSVENOR STREET, ASHTON-U-LYNE. TEL. 2816 (3 lines)

### Something they can trust

The public likes something reliable, something with dependable high quality. A faithful following is the public's response to trustworthy products that give real satisfaction.

Such is the popularity of

# CUTICURA SOAP CUTICURA OINTMENT CUTICURA TALCUM POWDER CUTICURA SHAVING STICK

There is a growing circle of discriminating people who appreciate high quality and insist on these soothing, protective, fragrant, mildly medicated Preparations, for care of the skin. Just display one each of these eye-catching firm family favourites in your attractive window, and make sure this steady all-the-year-round business comes your way.

CUTICURA SOAPS, OINTMENTS AND SHAVING STICKS HAVE ALWAYS CONTAINED CHLOROPHYLL

# What people think of Flextron

## IN LESS THAN A YEAR— SECOND IN THE MARKET!

We introduced Wisdom Flextron toothbrushes some two years ago, and within a year Flextron sales were running higher than those of all other brands except one. Dear Sirs,

2.2.54

You may be interested to learn of my experience with one of your "Flextron" Tooth Brushes—in my opinion it is worthy of recording.

I purchased this brush (Hard bristles) in mid-June last year, after reading your advertisements, and only now after eight months continual use—4 times daily—is it reaching the end of its life. I think the poor old chap has more than earned its retirement, as the bristles are somewhat flattened, but during all this time not a single one has come out. To me this is positively astonishing, as previously I have tried—,—,\* your earlier brushes, and other makes, and in all cases they have been unusable after two months.

After this experience there will only be one Tooth Brush for me in the future—a "Flextron," and if my next gives me half the service of the one named, I shall be delighted.

I thought you might be glad to read of the success of your new venture, and if you care to use extracts from this letter for advertisement purposes, you may do so provided my name and address are deleted.

\*The writer mentions two well-known brands

There is little doubt that this year sales are still going to go on increasing. And remember, when you sell Flextron not only do your customers get a better brush, but you make a better profit.

Be wise - sell Wisdom

The quickest-selling toothbrush

MADE BY ADDIS LIMITED, BRUSHWORKS, HERTFORD



# they come back again



and again



and again

for

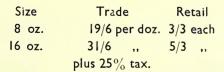


# **BRONCHIAL EMULSION**

Always the favourite with those who prefer a fixedprice, branded Bronchial Emulsion.









& CO. LTD HANOVER STREET · LIVERPOOL

Telephone Royal 8282 =

# LOVELIEST HANDS OF THE YEAR!

#### Winner of Nation-wide contest

#### uses "Hinds"

Panel of celebrities awards first prize in "Hands of the Year" Contest to Miss Anne Holland-Hughes, of Sale, Manchester.

Beautiful hands, cared-for with "Hinds", won £25 and a Television appearance for attractive Anne Holland-Hughes, of Sale. In a recent London contest, a panel of distinguished judges picked her hands as the loveliest "Hands of the Year", from those of fourteen finalists, from all parts of Britain.

#### CHEMISTS!

Cash-in on this valuable free publicity for "Hinds". When your customers come in for hand-cream, tell them about this big national contest and sell them all the "Hinds" you can! Arrange special displays of "Hinds" on your counters, in your windows and increase your hand cream profits.



THE WINNING HANDS!
Slender, white, smooth, and

beautifully cared-for, with "Hinds". Anne Holland-

Hughes displays them proudly

-with a big, winning smile





ALWAYS THE WINNER, WHEN IT COMES TO HAND-CARE!



# Agents Wanted to sell BEES SEEDS

THAT GROW

- On Sale or Return—You pay only for what you sell
- Millions of packets sold Every Season
- Weekly Advertisements Appear in all National Papers During Season
- High Class Pictorial Packets to Retail at 2d., 4d., 6d. (Peas & Beans 6d. & I/-)
- Known and Grown by Gardeners Everywhere

PIN THIS
TO YOUR NOTE-HEADING FOR TERMS
BEES LTD. Agency Dept. 28, MILL ST., LIVERPOOL.

#### 'Own Lines'

Independent Soap Makers since 1876

#### mean better profits!

Sodium Lauryl Sulphate for Powder and Cream Shampoos.

Ammonium Thioglycollate for Cold permanent waving solutions.

Triethanolamine Lauryl Sulphate for Liquid Shampoos.

Technical advice available



\* make up your own

SHAMPOOS and HAIRWAVING SOLUTIONS



All essential ingredients supplied in small quantities for trial purposes.

Consult TAYLOR REESON

Laboratories Ltd

23-28 PENN STREET, LONDON, N.1

Telephone: SHOreditch 5125/6

# It's going to be KAY'S day in the DAILY EXPRESS

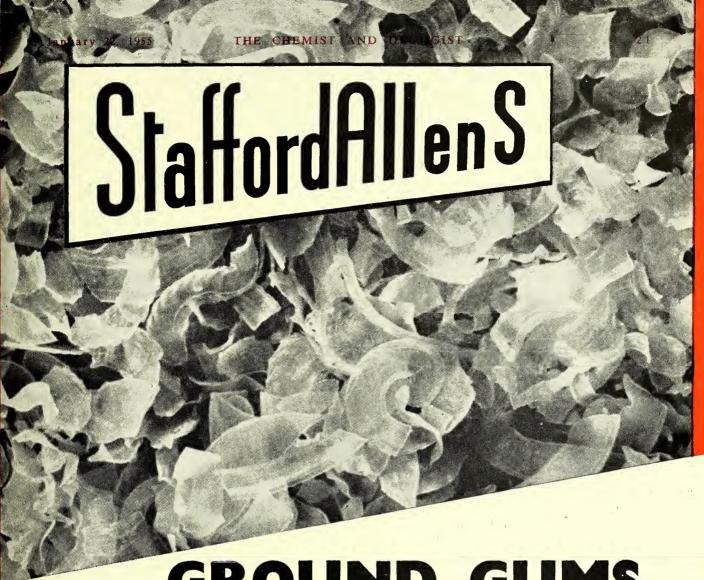


JANUARY 26th IS THE DAY... then you'll meet the irresistible Kay Kendall—large as life and selling Lux Toilet Soap!

THIS DAILY EXPRESS HALF PAGE . . . just can't be missed by an appreciative audience of more than 11,608,000.

#### BETTER BE READY FOR A RUSH ON LUX TOILET SOAP

... Check your stocks, and display Lux Toilet Soap now. When it's Kay's day in the Daily Express—there's no telling what records may break.



# GROUND GUMS

# TRAGACANTH · KARAYA ACACIA

As leading millers of Natural Gums, we carry a wide range of the different grades used by the Pharmaceutical and Allied Industries. These gums are rigidly tested and controlled for mucilage uniformity, fineness, colour, ash, etc., etc.

Continuity of quality is assured.

#### ORDER FROM

STAFFORD ALLEN & SONS LTD., WHARF ROAD, LONDON, N.I

TAGE SALES

Telephone: CLErkenwell 1000



Daily Mirror, Daily Herald,

MARE SUFFICIENT TO MEET THE INCREASING DEMAN

(Individually Packed with Shawcard ready far Display.)

OBTAINABLE ONLY FROM YOUR WHOLESALER

Showcards and Leaflets supplied

FEEDRITE LTD.

300 KINGSTON ROAD, MERTON PARK, SURREY

#### BETTER

for business

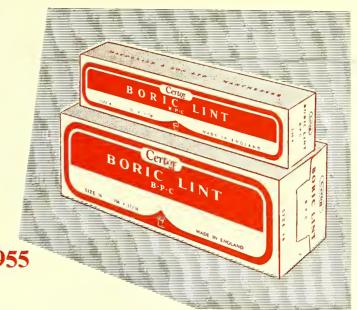
#### BETTER

for your customers

#### BETTER

for display

**BETTER for 1955** 



For your next contract



BLUE printed cartons for cotton wool. GREEN for white lint. RED for boric lint. MAROON for gauze.

#### SURGICAL DRESSINGS

#### **IN CARTONS**

B.P.C.

Certor Surgical Dressings in cartons . . . bright, dignified, modern. Packs with customer-appeal. Packs which can transform your dressings displays. Packs which bring better business. Packs which always keep their fresh, clean appearance because of their tissue wrapping. Packs which keep the dressings better while they are in use in the home . . . .

. . . and yet they cost very little more!

Also available in attractive printed cartons—Mansil Cotton Wool, Hospital quality.

PRICES								
Certor Dressings, B.P.C.								
COTTON WOOL Doz		2 oz 10/5	4 oz 19/-		16 oz 69/3			
WHITE LINT Doz	8/5	15/3	28/8	55/3	107/9			
BORIC LINT Doz	No. 1 5/1		No. 4 16/1		No. 16 58/11			
GAUZE Doz		3-yard 16/10	6-yard 31/8					
Mansil COTTON WOOL, Hospital quality								
Doz	1 oz $4/2\frac{3}{4}$	2 oz 6/11	4 oz 12/-		16 oz 40/9			

MACDONALD & SON LTD. · HOPE MILLS · POLLARD STREET · MANCHESTER 4



#### UNITED GLASS BOTTLE MANUFACTURERS LTD

8 LEICESTER STREET, W.C.2 - Telephone: GERRARD 8611 (18 LINES) Telegrams: UNGLABOMAN, LESQUARE, LONDON



Two better than one

Side by side, the antibiotics gramicidin and polymyxin B cover both the Gram-negative and Gram-positive pathogens of the upper respiratory tract. Because they are so rarely used systemically there is little risk of jeopardising the treatment of subsequent grave systemic infections.



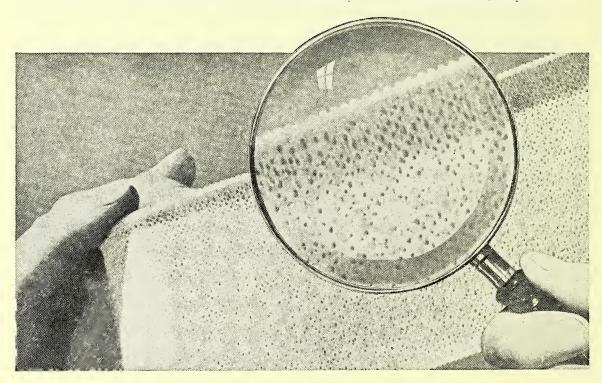
in upper respiratory-tract infections

#### RINEXIN In 15 ml. bottles with dropper

Gramicidin, 0.005 per cent. Polymyxin B sulphate, 500 i.u. per ml. Thenylpyramine hydrochloride 0.2 per cent. in isotonic solution of hydroxyamphetamine hydrobromide ('Paredrinex'), 1 per cent.

MENLEY & JAMES, LIMITED, COLDHARBOUR LANE, LONDON, S.E.5. Tel: BRIxton 7851 for SMITH KLINE & FRENCH INTERNATIONAL CO.

# All Elastoplast bandages NOW HAVE POROUS ADHESIVE!



I mmediate demand by the medical profession followed the introduction of the Elastoplast Bandage with Porous Adhesive, and a priority system of supply had to be instituted. More and more of our manufacturing resources were turned over to this type of bandage. Now, demand has become so widespread that we have been induced to make all Elastoplast Bandages with Porous Adhesive.

The reason for this overwhelming demand is simple—the Elastoplast Bandage with Porous Adhesive represents a most significant advance in the field of Elastic Adhesive Bandages. It overcomes the main cause of plaster intolerance by permitting free evaporation of sweat from the skin.

When you re-order Elastoplast Bandages you will automatically receive the Bandage with the Porous Adhesive.

## Elastoplast

POROUS ADHESIVE BANDAGES B.P.C

Full details from: SMITH & NEPHEW LTD WELWYN GARDEN CITY . HERTS



And he's giving you money—real money. The new SPA Bonus Offer is the first step to a 'Happy New Year'. It offers you a profit of nearly 100% — £3. 1s. 6d. profit on every SPA Bonus Parcel costing £3. 12s. 6d.

This is stocking time in every sense. So why not take advantage of this remarkable SPA Bonus Offer while it lasts and stock right up

with SPA. Remember, you can have as many parcels as you like. SPA's powerful new advertising campaign in the country's bestread newspapers plus the Radio Times will speed your SPA sales.

#### This is what the SPA Bonus Offer parcel contains:

2 doz SPA SPArklon Shorthead Toothbrushes No. 4

2 doz SPA SPArklon Spearhead Toothbrushes No. 5

1 doz SPA Bristle Shorthead Toothbrushes No. 4

1 doz SPA Bristle Spearhead Toothbrushes No. 5

£3·1·6 PROFIT on £3·12·6 INVESTED— NEARLY 100% on cost

YOU BUY FOR	YOU SELL FOR
£ s d	£ s d
1 . 2 . 0	2 · 0 · 0
*12.6	2 · 0 · 0
17 · 6	1 · 7 · 0
17 · 6	1 · 7 · 0
3 · 12 · 6	6.14.0

This parcel also includes the compelling SPA Display Stand - FREE

Because 1 dozen are supplied FREE

Special Bonus |3 Dozen Brushes and For Gross Orders a Display Stand FREE

# 'DISTIVIT' B 12

Injection of Vitamin B<sub>12</sub> B.P.

#### 1,000 micrograms

#### for Trigeminal Neuralgia

THE SUCCESS obtained with vitamin B<sub>12</sub> in treating the neurological complications associated with pernicious anæmia has stimulated research into the treatment with this important vitamin of other neurological disturbances\*. In trigeminal neuralgia it has been found that relief from pain can be produced by injection of massive doses. For the average case 1,000

micrograms intramuscularly daily for ten days followed by twice weekly injections for two or three weeks is suggested as a suitable course.

\*Ann. Int. Med. 35: 1028 (1951). South African M.J. 25: 394 (1951). Neurology. 2: 131 (1952). Lancet 1: 439 (1954)

#### PACKS

'DISTIVIT'  $B_{12}$ , 1 ml. ampoules each containing 1,000 micrograms vitamin B12, boxes of 5 ampoules.

#### Distributed by

BURROUGHS WELLCOME & CO.
EVANS MEDICAL SUPPLIES LTD.
IMPERIAL CHEMICAL (PHARMACEUTICALS) LTD.

#### THE DISTILLERS COMPANY

(Biochemicals) Limited

DEVONSHIRE HOUSE · PICCADILLY · LONDON, W.1

#### Thomas Tyrer & Co.

becomes the
Fine Chemicals Division of

## Albright & Wilson



For many years Thomas Tyrer & Co. Ltd., a subsidiary company of Albright & Wilson Ltd., has been trading as a separate entity, manufacturing and selling a wide range of fine chemicals. In order to secure the utmost benefit from the group's research facilities and selling organisation it has been decided that Thomas Tyrer & Co. Ltd., should be absorbed into the parent company. The manufacture of fine chemicals will continue at Stratford and the sales organisation has moved to 49 Park Lane, London, W.1, to form the Fine Chemicals Division of Albright & Wilson Ltd.

Orders and letters should be sent to the new address



Fine Chemicals Division

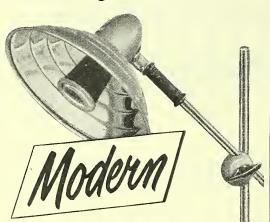


49 PARK LANE · LONDON · W1 · TELEPHONE: GROSVENOR 1311



7BW546

Introducing a

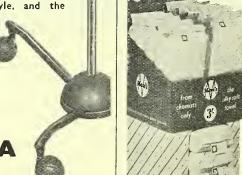


INFRA-RED
STANDARD LAMP
for home use—

The HANOVIA
SOLLUX H8

Infra-red rays usually give effective relief of local pain whether due to rheumatism, injury or inflammation. This new lamp, which provides radiation of especially deep penetrating qualities, now enables the full benefits of infra-red treatment to be obtained at home. Swivel-mounting makes the SOLLUX H8 lamp readily adjustable to any angle, and the lightweight stand is fitted with castor wheels to ensure ease of mobility. The design is in the best contemporary style, and the

finish extremely attractive in oyster-green enamel. List price £9 15 0 (or period terms). Please write for full details.



HANOVIA

SLOUGH-BUCKS

There are good reasons why sales of



#### **TOWELS**

have doubled in 18 months

- \* ALL WOOL
- \* SUPER-SOFT QUALITY
- \* TOP VALUE

And remember Maw's Towels are sold through

#### CHEMISTS ONLY

Now the new SIZE 'O'

RETAILING AT



#### PER DOZEN

With all the same features and precisely the same super-soft quality as Sizes I & 2.

#### Order now

and let this attractive
SELF SERVICE TRAY
do the selling for you. The
new model accommodating
all three sizes of Maw's
Towels is available FREE
on request from our representative.

S. Maw Son & Sons Límited Barnet, England.

P69B



#### Clearing the Channel

An action firm but gentle, prompt but lasting—that is the requirement when clearing nasal congestion. 'Vasylox', a new vasoconstrictor, meets this need. 'Vasylox' restores free breathing without causing central stimulation, sleeplessness, or interference with ciliary motility. Neither irritating nor stinging, it may be used for patients of any age, even for infants. 'Vasylox', which contains 0.25 per cent of methoxamine hydrochloride, is issued in 1/2 oz. bottles with separate dropper.





BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.) LONDON



Tyrosolven lozenges are indicated in the treatment of mouth and throat infections. They contain tyrothricin (a potent antibiotic) and benzocaine (a mild local anaesthetic) in a pleasantly-flavoured base. Chemists get a full one-third profit on Tyrosolven lozenges, and can increase their counter trade by recommending them in any painful throat infection. Though heavily prescribed by doctors, Tyrosolven is not a "prescription only" line; the lozenges are not subject to Purchase Tax and they are inexpensive.

#### **Tyrosolven**

PRICES: Available in packs of 20 lozenges at 2/6 each; Retail list price per dozen 20/-.

Dispensing packs of 250 lozenges supplied at 15/- each. Tyrosolven is not subject to Purchase Tax.

There is a 5% discount for orders of Warner products to a minimum value of £5.

WILLIAM R. WARNER & CO. LTD., Power Road, London, W.4.

P.A.T.A.



# Advertising-

YOUR SERVANT, SIR!

EVERY ADVERTISEMENT in Heinz great new campaign works hard for you.

Advertising consolidates demand. And demand means sales. Heinz new advertising continues to stress the theme of varied meals for babies and more and more mothers are giving their babies early mixed diets.

New demand! Greater demand! Bigger and bigger sales! Mothers want all 19 varieties of Heinz Strained Foods. When they ask, can you supply the demand?

Watch the advertising. Watch your growing sales! Stock, display and *sell* Heinz Strained Foods.

H. J. HEINZ COMPANY LTD., HARLESDEN, LONDON, N.W.10



# THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 163

January 22, 1955

No. 3909

#### **CONTENTS**

Aids to Perfect Packaging	87
Any Business Questions 1	101
Hospital Pharmacists hear Dr. Davis	90
Drug Contract Scheme Report	91
Examination Results	90
Fifty Years Ago	96
Leading Articles:—	
A Handbook for the Veterinary	
Chemist	93
Trade Tenants under Notice	93
Labelled Vitamin B <sub>12</sub>	93
Pharmaceutical Industry Reception	83
Pharmaceutical Society of Ireland:	
Council Meeting	95
Pharmaceutical Society of Northern	
Ireland: Council Meeting	96
Photographic Studies Course	97
Proprietary Articles Trade Association	82
Robert James, M.D	94
The Late Major E. Saville Peck	85
Topical Reflections	81
•	
Branch Meetings 82 New Products	36
Business Changes 85 Overseas Visits Coming Events 104 Personalities	84
Company News 84 Price Changes	104
Correspondence 96 Print and Publicity	
Deaths 85 Trade Marks	
Information Wanted 93 Trade Notes	
Legal Report 84 Trade Report	

INDEX TO ADVERTISERS, Pp. 5 & 6.

EDITORIAL AND PUBLISHING OFFICES

28 ESSEX STREET, STRAND, LONDON, W.C.2

Telephone: Central 6565

Telegrams: Chemicus, Estrand, London

Branch Offices:

BIRMINGHAM, 2: 111 New Street.

Phone: Midland 2921

GLASGOW: 24 Dixon Road, S.2. LEEDS, 16: 32 Wynford Rise,
Phone: Pollock 4802 West Park. Phone: Leeds 78438

ANNUAL SUBSCRIPTION, which includes The Chemist and Druggist Diary and Year Book, £2. Single copies one shilling each.



THE HORMONE TOILET CREAM

FORMULATED BY SPECIALISTS —

NEITHER ŒSTROGENIC NOR ANDROGENIC

Now extensively advertised in women's journals

Sold only through
REGISTERED PHARMACIES

Exceptionally favourable trade terms whether direct or through wholesaler

ORGANON LABORATORIES LIMITED

BRETTENHAM HOUSE, LANCASTER PLACE, LONDON, W.C.2

Telephone: TEMple Bar 6785, 0251/2.

Telegrams: Menformon, Rand, London



Volume 163

JANUARY 22, 1955

No. 3909

#### Tetracycline Manufacture

#### UNITED STATES PATENT OFFICE DECISION

THE issue of a patent to Chas. Pfizer & Co., Inc., on tetracycline was announced in the Gazette of the U.S. Patent Office on January 11. The patent includes eighteen claims covering the manufacture, use and sale of tetracycline and its salts as well as processes for their manufacture, and antibiotic compositions containing those materials.

The decision marks the end of a series of interference proceedings which delayed the granting of the patent for an extended period of time. In February 1954, the Lederle Laboratories Division of American Cyanamid Co. conceded priority to Messrs. Pfizer in settlement of the first patent interference and received a licence under Pfizer's patent as part of the settlement agreement. Subsequently a second interference involving Bristol Laboratories was declared, and was terminated in October 1954 by a decision of the U.S. Patent Office. Messrs. Pfizer have now instituted proceedings against Bristol Laboratories, E. R. Squibb & Sons Division of the Olin Mathieson Chemical Corp. and the Upjohn Co. for infringement of the patent, asking for treble damages and an injunction to prohibit unlicensed manufacture and distribution of the product.

#### **Statutory Committee**

INQUIRIES CONCERNING TWO MEMBERS

THE Statutory Committee of the Pharmaceutical Society is meeting at 17 Bloomsbury Square, London, W.C.1, on February 2, at 2.30 p.m., to:—

1. Resume the inquiry adjourned from

November 3, 1954, into a complaint that a member of the Society was under the influence of drink or drugs whilst in charge of a pharmacy.

 Consider information and evidence from which it appears that a director of a corporate body carrying on business as an authorised seller of poisons has been convicted of conspiracy to defraud and of false pretences with intent to defraud an Executive Council under the National Health Service.

#### **Exports to Portugal**

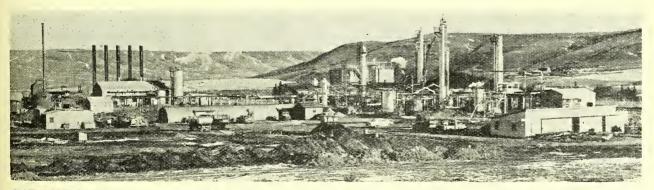
SURVEY INDICATES GOOD PROSPECTS

AN overseas economic survey on conditions in Portugal prepared for the Board of Trade was published on January 20. It states that Portugal will continue to be a good market for many classes of United Kingdom manufacturers, including drugs and chemicals. The survey reports that since 1949 the United Kingdom, although challenged with increasing strength by Germany, has kept its position as the principal supplier of goods to Portugal. The most important items included chemicals and drugs. On the

representation in Portugal of United Kingdom firms the writer says: "Choice of agents is highly important where a market is of a special interest to the manufacturer. There is no substitute for personal contact, personal investigation and constant following-up in this relatively small competitive market." The survey emphasises that British suppliers should realise that the Portuguese market is becoming increasingly competitive. To meet strong competition attention must be given to prices and to delivery dates. The survey presents every aspect of trade, commerce, transport, and social conditions in the country. The report, entitled "Portugal: Economic and Commercial Conditions in Portugal with annexes on Madeira and the Azores," is published by H.M. Stationery Office, price 4s. 6d.

#### Sea Freight Rates

10 PER CENT. RISE ON MANY ROUTES HIGHER freight rates to and from the United Kingdom have been announced by many of the large shipping companies. With effect from February 1 their rates to Ceylon, India and Pakistan are being increased by 10 per cent. Rates for traffic in the opposite direction from India and Pakistan will also be increased on the same date except from ports in East Pakistan and Calcutta where they will operate from February 9. Rates for goods from Ceylon are still under discussion. A similar increase is announced in west-bound tariff rates for goods shipped to east coast Canadian and United States ports with effect from April 1. Freight rates to and from East and West African ports are being similarly raised shortly.



A NEW SOURCE OF SULPHUR IN CANADA: Extensions now nearing completion (cost \$500,000) at a Shell Petroleum Co., Ltd., plant at Jumping Pound, Alberta, Canada, will result in the extraction of sulphur from natural gas. As a result, production of sulphur at the site will be increased to eighty tons a day, almost trebling former capacity. Natural gas was discovered in Alberta in 1944. By 1950, supplies were being delivered on a commercial scale to a number of communities in Southern Alberta. Before natural gas can be marketed, the sulphur which it contains in the form of hydrogen sulphide must be removed. Much of the sulphur extracted at Jumping Pound is being transported 800 miles north to the Gunnar Mines at Beaver Lodge, Lake Athabaska, Saskatchewan, for conversion into sulphuric acid.

#### Standards for Medicines

SUGGESTION BY N.P.U. SECRETARY

AT the third annual dinner of the Council of the Pharmaceutical Society, the Executive of the National Pharmaceutical Union and the Council of the Chemists Federation on January 4 (reported briefly in last week's issue), Mr. H. Noble (secretary, N.P.U.) pointed out that the interests of the three bodies did not necessarily run on parallel lines because of the wider outlook which the senior organisation had to take. Some people thought—wrongly—that the Society had a "mythical professional interest," overlooking the fact that the whole progress of pharmacy was bound up with the success of the general practitioner service. Where, he asked, did the Chemists Federation come in? The manufacturers' and wholesalers' sections were partners on the economic level with pharmacists in general practice and so were in a position to help to raise the status of the pharmacist. He thought that there were positive contributions which the Society could make, particularly by set-ting standards for the description of medicines. The Council of the Chemists Federation had devised certain standards, but it might seem to be a little unrealistic to attempt to sell to the public the idea that C.F. articles were good products because they measured up to standards which the Federation had themselves devised and imposed. In the framing of codes of standards for medicines he was certain that the Society had a part to play, or it might be desirable that such a code should be devised outside of pharmacy if members of the public were to have confidence in it. It was a subject that had not been discussed by the N.P.U. or the C.F., but it seemed appropriate to raise it at a function of the three organisations. Would it be possible, Mr. Noble asked, for a small committee to examine the situation and report their findings? Mr. W. T. Elder (a member of the Society's Council) welcomed the suggestion and hoped that such a committee would be set up.

#### **Quota-Free Imports**

O.E.E.C. COUNTRIES RAISE PERCENTAGE

AT the end of a three-day meeting of Finance Ministers of the Organisation for European Economic Co-operation in Paris on January 14, it was announced that member countries had agreed to increase the proportion of minimum quota-free imports from 75 to 90 per cent. by September 30. Each member will, in any case, abolish by June 30, 10 per cent. of its still remaining quantitative import restrictions. This will affect particularly those countries—the majority—which have already freed about 90 per cent. of their imports. Each country will also free 75 per cent., instead of 60 per cent., of the three main categories of imports—raw materials, foodstuffs and finished goods.

#### Retirement Dinner

LONG-SERVICE EMPLOYEES HONOURED ON January 12 the directors of Baird & Tatlock (London), Ltd., and Hopkin

and Williams, Ltd., gave a dinner in London in honour of Messrs. W. J. Scott and H. Towell on their retirement, after long service with the company. Mr. W. J. Scott joined Baird & Tatlock (London), Ltd., in May 1904. He began his career in the chemical packaging department. In 1919 he began to work on the refining of chemicals and production of analytical reagent chemicals, later succeeding Mr. Woodgate as manager of the chemical division, holding that post until his retirement in October 1954. Mr. H. Towell joined Messrs. Baird & Tatlock on September 12, 1910, and during the whole of his career has been actively engaged in the field of export. In 1937 he was promoted export manager, which position he held until 1946, when the work was divided among two departments, Mr. Towell assuming responsibility for orders from the Crown Agents and other Government Departments. Mr. Scott was presented with a gold watch on behalf of the company by Mr. Geoffrey Howard (a director), who himself has completed over fifty years' service with the company. Mr. Towell also was presented with a gold watch by Mr. C. L. Prior (a director) (a director).

#### Portrait for Director

TO MARK FIFTY YEARS' SERVICE

HIS portrait in oils, painted by Mr. Cowan Dobson, R.A., was recently presented to Mr. Harold J. Cotes (managing director, British Glues & Chemicals, Ltd.) by his colleagues and employces to commemorate his fifty years' association with the company. The presentation was made by SIR ROGER DUNCALFE (chairman of the company) at the company's Christmas party, which was attended by more than 250 employees. Sir Roger recalled his first meeting with Mr. Cotes about forty years ago and said that in 1920 they became joint managing directors of the newly-formed British Glues & Chemicals, Ltd. Mr. Cotes, in reply, referred briefly to the growth of the company and said that that had in large measure been due to the confidence that had been reposed in him, and the unfailing loyalty of all those who had served under him. Four guests at the party, Messrs, B. S. Adderley, J. L. Fenton, G. T. Finney and H. Groom, had each served under him for more than forty years.

#### £300 Penalty on Doctor

"IRRESPONSIBLE PRESCRIBING"

PRESCRIPTIONS for seventy - two pounds of lint and sixteen pints of disinfectant were issued by a Sheffield woman doctor to a woman found guilty of obtaining quantities of medical requisites by false pretences. Some of the lint was used for making cushion-covers and curtains, and some of the disinfectant for spraying a fowlhouse. Those facts were considered by the Sheffield Executive Council and the Council severely censured the doctor and ordered that £300 be withheld from her remuneration. The Medical Service Committee said that the picture was one of irresponsible prescribing.

#### IRISH NEWS

#### Health Scheme Inquiry

PRESIDENT JOINS ADVISORY BODY

MR. Michael Costello (president, Pharmaceutical Society of Ireland) has accepted a personal invitation from Mr. T. F. O'Higgings (Minister for Health) to become a member of an advisory body the Minister has set up to examine the feasibility of instituting a voluntary health insurance scheme for the Republic on a national basis. The body will be asked to advise on a scheme to enable citizens to insure themselves and their dependants voluntarily against the cost of hospital, sur-gical, specialist (including specialist diagnostic) and maternity services, and medicines required in such services (other than those for infectious diseases, for which a free service is already provided). The scheme envisaged also includes dental services and the provision of medical and surgical appliances. Mr. Henry B. O'Hanlon (Taxing Master of the High Court) is chairman, and the body includes representatives of the medical and dental professions. The Council of the Pharmaceutical Society of Ireland at its January meeting expressed pleasure that the president had been invited to act on the new body.

#### **Ulster Chemists**

MEETING OF ASSOCIATION EXECUTIVE

AT the January meeting of the executive Committee of the Ulster Chemists' Association held in Belfast recently, Mr. W. H. Boyd (president) in the chair, the following were elected to membership:—Messrs. N. S. Dalzell, Ltd., Church Road, Dundonald, Belfast Successor to Speers Pharmacy, Ltd., The Springfield Pharmacy, Ltd., 786 Springfield Road, Belfast; Johnston's Pharmacy, Ltd., Killyleagh Street, Crossgar (Branch). THE PRESIDENT reported upon interviews with representatives of manufacturers regarding trade matters of vital interest to members, and considerable discussion followed concerning the change of sales policy of a large firm of manufacturers. The Association's representatives to the Chamber of Trade were instructed to lodge a strong protest against trading in medicinal lines which is being carried on in industrial concerns with their employees. An approach was considered from the Belfast and Ulster Mineral Waters Association asking Ulster Chemists' Association to take steps to prevent the misuse of mineral water bottles for noxious substances.

#### Supply of New Antibiotics

DOCTORS TO OBTAIN FROM HOSPITALS?

THE Northern Ireland General Health Services Board has been informed that the Hospitals Authority is seeking the approval of the Ministry of Health and Local Government to supplies of tetracycline being made available to general practitioners through hospitals. The Ministry has informed the Board that it has under consideration the addition of aureomycin, terramycin and certain other drugs to the special list of drugs excluded from the drug capitation fee of dispensing doctors.

#### NEWS IN BRIEF

A PETITION to the Minister of Health, asking for a chemist's shop in the village of Pendeen, nr. Land's End, Cornwall, was signed by 700 villagers.

THE United Kingdom had a net deficit with the European Payments Union for the month of December 1954 of £7,306,785.

To combat fowl pest in mid-Norfolk the Minister of Agriculture and Fisheries has prohibited the movement of live poultry in that area.

THE lectures on surface chemistry at the Borough Polytechnic, London (C. & D., December 11, 1954, p. 585), commenced on January 19.

More than 200 children of employees attended a Christmas party given recently by the sport and social club of Genatosan, Ltd., Loughborough, Leics.

A "PROGRESS" payment of £30 is being made during 1955 by Joseph Watson & Sons, Ltd., toilet goods manufacturers, Leeds, to over 1,000 of their employees.

A COLLECTION of fire-fighting appliances that has been in store since the outbreak of war will again be on view to the public at the Science Museum, South Kensington, London, from January 25

A SMALL fire occurred recently at the premises of Ayrton, Saunders & Co., Ltd., Liverpool, when a tray containing about 50 lb. of asthma powder ignited in the drying room; one fireman was overcome by dense fumes.

ON December 14, 1954, the official index figure, which measures changes in the average level of retail prices compared with the basic level on June 17, 1947 (taken as 100), was 145, the same figure as on November 16, 1954.

THE second International Seaweed Symposium is being held in Trondheim, Norway, provisional dates being July 13-17. Papers will concern chemistry, harvesting and nutrition, and an excursion will occupy July 18-20.

THE Export Credits Guarantee Department announces that Mr. T. Eatough, C.B.E. (director of the Department's short-term underwriting division) retired from the public service on December 31, 1954.

TWENTY-FIVE members will serve on the consumer advisory council which has been set up by the British Stanwards Institution with the object of improving the quality of consumer goods (see C. & D., September 11, 1954, p. 243).

THE Royal Society has elected the following officers: President, Dr. E. D. Adrian; Treasurer and Vice-president, Sir Thomas Merton; Secretaries and Vice-presidents, Sir Edward Salisbury and Sir David Brunt; Foreign Secretary, Sir Cyril Hinshelwood.

A COURSE of ten lectures on human nutrition is being held at Borough Polytechnic, Borough Road, London, S.E.1, at 6.30 p.m. on Mondays, commencing January 17. Applications should be made as early as possible and should be accompanied by the fee of £2 2s.

#### TOPICAL REFLECTIONS

By Xrayser

#### Thomas Sydenham

The presentation of the portrait of Thomas Sydenham to the National Portrait Gallery will undoubtedly result in a renewed interest in the life of this remarkable man, of whom so much has been written. Your note beneath the reproduction of the painting (p. 53), refers to his treatment of malaria with cinchona bark, a medicament in which he had great faith. Indeed, he once wrote of it to a patient: "I doe truly affirm to you that it is as wholesome and innocent as the Bread you dayly eat." The great physician did not confine his confidence in cinchona to the fevers, believing it to have virtues in hysteria and hypochondria, besides recognising the tonic properties of a combined treatment of the bark and steel filings. A quarter of a century ago we were in the direct line of Sydenham, still dispensing that elegant preparation known as ferri et quinin. cit., and not recognising that we had come to the end of an epoch.

#### The Plague

Sydenham, a member of a Puritan family intimately connected with the Civil War, was born in 1624, and was well established as a fashionable physician in London's West End when the Plague of 1665 struck with devastating suddenness and effect. The outcome was a scene that was strangely paralleled in 1939, in that those who had the means and the opportunity removed themselves from the city to the country. Included in that number were Thomas Sydenham and his family. It may appear strange that the acknowledged expert on fevers should have left the scene at such a time. Had he remained and survived, a man of such keen perception and careful observation must have left us with more knowledge of the dread disease than we have today. Yet the situation was complex. The physicians, of whom Sydenham was one, practised almost exclusively among the wealthy, and the wealthy had departed, leaving the West End almost uninhabited. The choice was left of joining forces with the surgeons and apothecaries, who administered to the poor in the densely-populated and stricken East End, or of leaving the metropolis. Sydenham went to Dorset, where he used his time profitably by publishing his first work on fevers.

#### Prince and Psychiatrist

Dr. John Brown, that delightful essayist, described Sydenham as "the Prince of practising physicians, whose character was as beautiful and as genuinely English as his name "-no mean compliment from a Scot. Those who think of psychiatry as a modern science may be surprised to learn that it was practised by Sydenham as long ago as the seventeenth century. Hysteria, he said, in effect, was a disturbance of nervous energy, which affected different parts of the body, producing functional disturbances, which simulated organic disease. In sending seasonal greetings to a patient with hypochondriac tendencies, he wrote that he could heartily wish, instead of a merry Christmas, that he might have a smart fit of gout, which would quickly dissipate his other fears. John Brown records a story told by Dr. Paris in his Pharmacologia, relating to a troublesome patient, described as a gentleman of fortune, whose largely imaginary condition did not respond to Sydenham's treatment. With remarkable insight, that early psychiatrist dispatched him to consult an entirely mythical Dr. Robertson in Inverness, and a tedious journey it must have been in those days. The irate gentleman returned from his fruitless errand quite well, because, as his doctor wisely put it, in going, he had Dr. Robertson and his wonderful cures in contemplation, and in returning, he was equally engaged in thinking of scolding Sydenham. Sydenham's unorthodoxy brought him into conflict with his colleagues, as when he expressed the view that he preferred to observe carefully before deciding on a method of treatment, so that the patient would not be handicapped by having to fight both the disease and the drug. Pharmacy remembers him chiefly for his liquid laudanum, containing opium, saffron, cinnamon and cloves.

#### BRANCH AND ASSOCIATION MEETINGS

PORTSMOUTH Annual Meeting

AT the annual meeting of the Portsmouth Chemists' Association held in Southsea recently, MR. M. A. GUERNIER (immediate past-president) in his report spoke of the inauguration of the sale of excess "ethical" stock scheme which had worked successfully for the benefit of the members. The meeting passed a vote of thanks to Mr. A. L. Harris for his work in that connection. Mr. J. C. Bloomfield, who relinquished office as secretary and did not seek re-election, was thanked for his services over the past four years. The Association decided to continue to award a prize to a pharmacy student at the Portsmouth College of Technology. The business meeting followed an informal dinner attended by Messrs. E. Thorpe and N. Francis (Portsmouth College of Technology) and A. R. Goddard (clerk of the Portsmouth Executive Council).

Talk on International Pharmacy

MEMBERS of the Portsmouth Branch of the Pharmaceutical Society at a recent meeting heard an address by Mr. H. S. Grainger (a member of the Society's Council) on "International Pharmacy." MR. GRAINGER spoke briefly about the Franco-British Commission, and said that such meetings did much to aid international friendship and understanding. His visits to conferences in Europe and America had given him a good idea of the status of pharmacists. The unbroken tradition of European pharmacy was not matched in Britain. British pharmacists were becoming too commercialised and that was not to their advantage. The Continental phar-macist was held in higher esteem than his English colleague, being called upon to undertake analysis and making many galenical preparations on the premises. The inspection of pharmacies in Europe was carried out under State control, and British pharmacists were envied by pharmacists in those countries as they "controlled themselves."

NORWICH Plastic Surgery

An address on plastic surgery was given to the Norwich Branch of the Pharmaceutical Society at a meeting on January 4 by MR. L. M. ROUILLARD (plastic surgeon to the United Norwich and Cambridge Hospitals). Mr. Roull-LARD said that plastic surgery was defined as the attempt to replace or repair defects and omissions of the skin tissues. Grafts on the skin were either free or pedicular. There were three main types of free grafts. The Tiersch graft, taken with a razor, consisted of the superficial layers of the skin. Applied to an exposed area it normally healed in ten to fourteen days, but it tended to shrink. The Wolff graft consisted of whole skin, and when applied to an exposed surface it had a better texture than the Tiersch graft and did not shrink. A dermatome graft was separated whole skin applied to a revolving drum, layers being shaved from it by a blade set in thoubeing sandths of an inch. That type of graft would not take if applied over bone or tendon. The pedicle graft was composed of whole skin which was raised and sewn on to an exposed surface. It was kept attached to the original site and hence had its own blood supply and was fed until it grew on the new site. Asked by MR. DAY what he recommended as first aid for burns, MR. ROUILLARD stated that suitable first aid would consist of either a dry dressing or a weak saline dressing and the patient should be removed to hospital at once.

NORTH LONDON

#### Weak Link in C.F. Chain

THE retailers' link in the Chemists Federation chain was not as strong as it ought to be, said Mr. R. H. Kemp (secretary, Chemists Federation) addressing a recent joint meeting of the North London Pharmaceutical Association and the North London Branch of the National Pharmaceutical Union on "Some Business Aspects of Present-day Retail Pharmacy." Mr. Kemp said that the manufacturer submitted his goods to the stringent requirements of the standards committee and was entitled to full support from pharmacists if he was not to doubt the advantages

of adhering to C.F. The C.F. manufacturers were producing reliable products with a fair margin of profit and each helping to create goodwill. The standards that had been adopted were most comprehensive and had been drafted to ensure satisfactory formulas, conditions of manufacture, marketing policy and presentation. In addition, great care was taken to ensure that the claims made by manufacturers for C.F. preparations were reasonable, special attention being paid to literature and advertisements. It was felt that those requirements were not generally appreciated by many retailers. To promote further co-operation between the three sections of C.F., a full-time representative had appointed to call on retailers throughout the country, and a tripartite meeting of retail chemists and C.F. manufacturers and wholesalers was being held in London on January 27. The need to support the C.F. movement today was especially great as the tendency was for wider distribution by firms who formerly had restricted supply to chemists. Other indications of the increasing competition were the various coupon schemes and the sending of unordered goods.

#### PROPRIETARY ARTICLES TRADE ASSOCIATION

THE quarterly meeting of the council of the Proprietary Articles Trade Association was held in London on January 13, the president (Mr. H. G. T. Read) in the chair.

The result of the Council election was reported. In the manufacturers' and wholesale sections there had been no contest. In the retail section the retring members (Messrs, H. G. Moss and J. F. Wette) were replaced to

and J. F. Watts) were re-elected, together with Mr. T. C. N. Booth. The council expressed appreciation of the services of Mr. H. Holmes, who had

retired.

THE SECRETARY reported that he had ascertained that no approximate date could be mentioned for the publication of the Commission's inquiry under Section 15 of the Monopolies and Restrictive Practices Act. The Council endorsed recommendation by the retail section that certain representations should he made to the secretary of the Commission.

THE PRESIDENT reported that a special subcommittee had considered the text of the constitution and rules of the Association and had made recommendations to delete certain sections and revise others. The amendments had been approved by the executive committee, and the council approved the adoption, subject to a minor proviso.

The council took note of the proceedings of the inquiry conducted by the Irish Fair Trade Commission into conditions of supply and distribution of proprietary medicines, infants' foods and medical and toilet preparations.

MR. J. E. GOODALL, on behalf of the retail section, proposed Mr. D. A. Rees as *President*. The motion was seconded by Mr. L. D. Smith, supported by Mr. N. Dewey, and carried with acclamation. Mr. Rees then took the chair. He was pleased, he said, to have the full support of colleagues on the section and confident that similar support would be extended to him by the manufacturers and wholesalers. Mr. Rees then moved the thanks of the council to the outgoing president (Mr. H. G. T. Read). Mr. Read had been conspicuously successful, able and completely impartial. Speaking for the wholesale and manufacturers' sections respectively, Mr. N. E. Forster and Mr. R. G. Dyas endorsed the president's tribute.

The following officers were also elected:—Vice-presidents: N. Dewey (manufacturers), L. D. Smith (wholesale), H. G. Moss (retail). Treasurer: R. G. Dyas. Executive Commiree: Messrs. N. C. Jeffery, H. G. Middleton, G. M. Roberts, J. S. Walmsley (manufacturers); J. Armistead, J. W. Boucher, N. E. Forster, S. Watson (wholesalers); J. E. Goodall, C. H. Foster, J. F. Watts, F. C. Wells (retailers), with (ex-officio) the president, immediate past-president, vice-presidents and treasurer.

THE PRESIDENT mentioned that January 1956 would mark the sixtieth anniversary of the foundation of the Association. The Council approved the suggestion of a suitable celebration.

The secretary's report stated that during the quarter 362 calls and 480 test purchases had been made. The main cases of price cutting had been in the London area. Additional coperation of manufacturers and wholesalers had been obtained.

#### **DUBLIN FAIR TRADE COMMISSION**

#### Irish Drug Association secretary continues his evidence

MR. BRENDAN R. SMITH (secretary, Irish Drug Association) continued his evidence before the Fair Trade Commission when it resumed in Dublin on

January 11.

January 22, 1955

THE CHAIRMAN (Mr. J. C. B. Mc-Carthy) read an entry from minutes of a meeting of the West of Ireland Chemists' Association held on October 11, 1953, at which the president and vice-president of the Pharmaceutical Society and the secretary of the Irish Drug Association were present. In the entry a member said that he endorsed an agreement made by the I.D.A. whereby a firm breaking the agreement with that body regarding confining lines would pay £1,000 into the Benevolent Fund.

MR. SMITH: No such agreement took place, and that had nothing whatsoever

to do with our Association.

#### Attitude to Price Maintenance

A MEMBER of the Commission questioned Mr. Smith regarding the Association's attitude to price maintenance following the revocation of the Standstill Order in June 1951. He suggested that once the Standstill Order was revoked the Association was determined that prices would not go down.

MR. SMITH said that Government de-

partments were not in a position to be aware of details unless some organisa-

tion like the I.D.A. was there to bring matters to their notice. An Order was made to protect the public, he said, but how that Order was made difficult in its application only became apparent afterwards and it required an Association like the I.D.A. to be of help.

THE MEMBER said that that was con-

ceded absolutely, but a definite state-ment was made in the Association's minutes about a campaign to protect the chemists' rate of profit. That was

getting back to the status quo.

Asked by THE CHAIRMAN what the difference was between confined lines and approved lines, MR. SMITH said that there were many preparations confined to chemists because they contained poison. That was a State restric-tion. Preparations such as "cure-alls" for diseases like tuberculosis and cancer would not get the approval of the I.D.A. Different things had happened in the past few years to prevent the development of the approved list which was really in the nature of something idealistic.

MR. A. O'KEEFE (senior counsel for the Irish Drug Association) said that it would be wrong to give the impression that a list that had an idealistic basis had been dormant for several years. It would be more correct to say that while it started as such, it developed into a trade list of manufacturers that was now mainly concerned with the maintenance of prices and matters of that kind.

Questioned by THE CHAIRMAN on the importance of the approved list of wholesalers, MR. SMITH said that the Association endeavoured to encourage association endeavoired to encourage its members to support those on the approved list. The directions given to members on that had not been formally rescinded but they had been dropped at the end of 1952. He thought that no wholesaler had ever been that no wholesaler had ever been erased from the approved list, or ever threatened with being erased.

#### Guild of Pharmacy

A MEMBER of the Commission asked Mr. Smith about the Guild of Phar-

macy, Cork Branch.

MR. SMITH said that that was a guild movement in the country which had no connection with the I.D.A. other than that the Guild catered for people in all sections of pharmacy. He was not a member himself.

THE MEMBER: Do they do anything about the fixing of prices or have they any control over the supply and distri-

bution of chemists' lines?

Mr. Smith replied that the activities of the guild were purely of the guild movement type. It would surprise him if he was told that its activities extended to price fixing or anything like that.

#### PHARMACEUTICAL INDUSTRY RECEPTION

#### Minister of Health speaks at 25th anniversary celebration

THE president and council of the Association of British Pharmaceutical Industry held a reception in London on the evening of January 14 to celebrate the twenty-fifth anniversary of the formation of the Association. 230 guests and representatives of member firms attended. They were received by the president (Mr. J. F. Boucher, M.P.S.) and vice-president (Mr. C. M. Hill).

#### President's Welcome

MR. J. F. BOUCHER (president) made a short speech of welcome to the guests and members, and outlined the main events in the Association's history. "The value of the Association to the industry and the nation," he said, "was proved in the war year and "was proved in the war years, and the Association's subsequent record shows that it has continued to act with a high sense of responsibility and in a spirit of co-operation with the Government and other bodies con-cerned with the National Health Service and the home and export trade in pharmaceutical products. The progress made by the Association is only a reflection, however, of the progress made by the pharmaceutical industry which it serves and represents. In twenty-five years the industry has changed almost beyond recognition through the discovery and development. through the discovery and development of new and more effective drugs, a large proportion of which have re-

sulted from the research of pharmaceutical firms. In the export field, also, the industry has a remarkable record, having expanded its exports from about £3 millions a year in 1938 to over £30 millions today."

MR. IAIN MACLEOD (Minister of Health) said "This is a social occasion. . . . There are many things one could say—not all of them wholly free from controversy. But perhaps you will allow me only to make one reflection. It is a new experience for many people since 1948 to find themselves quite as fiercely under the light of Parliamentary investigation and criticism as inevitably follows a major advance in Treasury and central finance, such as the Health Service represents. I think a good number of people on the whole resent some of the investigations that are inseparably linked with them."

The Minister did not think there was any need to resent such an investigation. It was inevitable that the National Health Service, being the largest of the Civil spending departments, should come increasingly under the glare of criticism. An industry of such importance, with an export trade as large as £30 millions need not fear those investigations.

Among the guests were the Rt. Hon, Iain Macleod, M.P. (Minister of Health) and Miss P. Hornsby-Smith, M.P. (Parliamentary Secretary); Lord Haden-Guest, M.C.; Mr. Austen

Albu, M.P.; Sir Russell Brain (president, Royal College of Physicians); Professor Sir Charles Dodds, M.V.O., F.R.S. (Past Master, Society of Apothecaries); Dr. W. R. Wooldridge and Mr. W. G. R. Oates (president and registrar of the Royal College of Veterinary Surgeons); Mr. T. C. Denston (secretary, British Pharmacopeia Commission); Dr. C. H. Hampshire, C.M.G. (chairman, World Health Organisation's Expert Committee of the International Pharmacopeia); Committee of the International Pharmacopecia); Dr. K. R. Capper (editor, scientific publications, Pharmaceutical Society); Professor H, Berry (dean of the School of Pharmacy, University of London); Dr. E, Grey Turner, M.C. (assistant secretary, British Medical Association); Mr. H. Parker Buchanan, V.R.D. (secretary, British Dental Association); Professor A, Robertson and Mr. E, Knight, (president and secretary, British Dental Association); Professor A, Robertson and Mr. F. Knight (president and secretary, Veterinary Association); Messrs, D. W. Hudson and F. W. Adams (a member of Council and the registrar of the Pharmaceutical Society); Mr. A. M. Mees (president, Guild of Public Pharmacists); Sir Weldon Dalrymple-Champneys, Bt. (Ceputy Chief Medical Officer, Ministry of Health); Dr. Harold Davis, C.B.E. (ch.ef pharmacist, Ministry of Health); Mr. K. S. Marre, Mr. H. Wilkinson, C.B.E., Mrs. J. A. Hauff and Mr, W. G. Honner (Ministry of Health); Sir Frank Lee, K.C.B., C.M.G. (Permanent Secretary, Board of Trade); Dr. A. W. Stable-Secretary, Board of Trade); Dr. A. W. Stable-forth (director of the veterinary laboratories, Ministry of Food and Agriculture); Messrs, J. H. Walker, F. R. Thornton, O.B.E., and A. L. Dyke (Home Office); Mr. R. P. McBride (secretary, Poisons Board); Sir Norman Kipping, J.P. (director-general, Federation of British Industries); Messrs, W. T. Rees and H. Noble (vice-chairman and secretary, National Pharmaceutical Union); Messrs. W. J. Worboys and J. Davidson Pratt, C.B.E. (chairman and director, Association of British Chemical Manufacturers); and Mr. Arthur Mortimer, O.B.E. (a former secretary of the A.B.P.I.).

#### **COMPANY NEWS**

SMITH & NEPHEW ASSOCIATED COMPANIES, LTD.—The board propose a two-for-one scrip issue, subject to the consent of the Treasury.

YARDLEY & CO., LTD.—Mr. E. T. Taylor (formerly home sales manager) has been appointed managing director of the subsidiary company, Yardley of London (Africa) (Pty.), Ltd.

R. P. SCHERER, LTD.—Mr. M. F. Brobst, formerly managing director, has been appointed deputy chairman; Mr. J. A. Mackenzie, formerly general manager, has been appointed managing director; Mr. G. F. Shipman has been appointed a director.

#### LEGAL REPORT

DUBLIN HIGH COURT

#### **Absolute Injunction Sought**

THE hearing began in the High Court Dublin, Eire, on January 12, before Justices Haugh, McLoughlin, and Murnaghan, of application made by the Pharmaceutical Society of Ireland to have made absolute an injunction prohibiting the Fair Trade Commission from inquiring into matters concerning the compounding of medicines and dispensing of medical prescriptions, on the grounds that such activities are of a professional nature and do not come within the scope of the Commission.

Mr. A. O'Keeffee, S.C., for the Society, said that the Society had not the slightest objection to the Commission's investigating details of the conditions that obtained with regard to the supply and distribution of commodities used by them in the way of trade. But the activity of dispensing medical prescriptions and of compounding medicines was a professional activity of a highly technical character, and their submission was that the Act did not cover either in its terms or in its intent, investigations into the conduct of professional activities. If the proceedings had not attempted to go further than to inquire into matters of trade and business, there would have been no necessity to seek the order of prohibition. An affidavit by Mr. James C. B. McCarthy (chairman of the Fair Trade Commission) and Mr. F. Vaughan Buckley (a member), read to the Court, said that the inquiry was one into the conditions that obtained in regard to the supply and distribution, by wholesale and by retail, of proprietary and "patent" medicines, infant foods, and medical and toilet preparations, and was held under the provisions of the Restrictive Trade Practices Act, 1953. The Commission was of opinion, stated the affidavit, that the conditions in regard to the compounding and dispensing of doctors' prescriptions for reward were capable of constituting conditions within the scope of the inquiry.

Legal argument for the Society concluded on January 17. Mr. T. J. Conolly, S.C., opening for the Fair Trade Commission, said that the first question involved was whether the remedy of prohibition lay in the case. He was not arguing that there might not be another method which the court could apply. When the court adjourned on Monday,

Mr. Conolly had not concluded his argument.

The arguments concluded on January 18. Judgment was reserved.

#### **PERSONALITIES**

MR. L. W. DODDS (a director of Biddle, Sawyer & Co., Ltd.) took part in a world bridge championship held in New York recently. The result was a decisive win for the British team, which had previously won the European championship at Montreux (see C. & D., October 9, 1954, p. 367).

MR. E. T. TAYLOR, the new managing director of Yardley of London (Africa) (Pty), Ltd. (this page), has arrived there to take up his new duties. Before he left Mr. Taylor received so many letters from friends in the trade that he was unable to reply personally to them all. He sends his thanks and appreciation through these columns.

MR. O. P. HORLICK (chairman, Horlicks, Ltd., Slough, Bucks), who recently celebrated his completion of fifty years' service with the company, was presented with a book containing the signatures of the directors and staffs of the Horlicks group of companies throughout the world. Mr. Horlick commenced work in the company's offices in London in 1904, became a representative for the company in 1907, and moved to the factory in Slough in 1908. He became managing director of the British company in 1927, and was appointed vice-chairman and managing director in 1935 and chairman in 1953.

WULFRIC JACK BUSH. M.P.S. (representative for Allen & Hanburys, Ltd., for Sussex), who retired on December 31, 1954, after more than thirty-three years' service with the company, commenced his apprentice-ship in 1903 under his father, Mr. J. E. Bush, who was a chemist and druggist in Melksham, Wilts. After studying at the Bath College of Pharmacy he qualified in 1908. He had retail experience in some well-known pharmacies, including Cooper, Son & Co., Ltd., London, S.W.7, and H. R. Browne, Ltd., Eastbourne, and service from 1915-19 in the first world war, and joined Allen & Health and London as pharmaceur. Hanburys, Ltd., in 1921 as pharmaceutical representative for Surrey and Berkshire. In 1946 he was transferred to Sussex and remained on that territory until his retirement. Mr. Bush is a past chairman of the Redhill and Reigate Branch of the Pharmaceutical Society and later, on moving to Brighton, he became joint secretary of the Brighton and Hove Branch. He was a member of the local committee when the Pharmaceutical Conference met at Brighton in 1948.

MR. DAVID ANDREW REES, F.P.S., the president of the Proprietary Articles Trade Association for 1955 (see p. 82) has had long experience of the retail side of pharmacy. He was apprenticed in 1897 to a South London chemist. At that time price-cutting was rampant in the area, and Mr. Rees recollects the display in his employer's window of a card indicating member-

ship of the Association. After training at the Westminster College of Pharmacy, London, Mr. Rees qualified as a chemist and druggist in July 1905, and passed the Pharmaceutical Chemist examination six months later. experience in London and provinces he qualified as an optician. Mr. Rees acquired his first business in 1919: a pharmacy in Coldharbour Lane, Camberwell, and from the same address carried on an optical and dental practice. He was active as a member of the South-west London Chemists' Association, holding various offices including the chairmanship of the Association. Later, while living at Beckenham, he became chairman of the West Kent Pharmacists' Association. Active in turn in National Health Insurance and National Health Service work, he was from 1923 until 1948 a member of the London Pharmaceutical Committee, and on two occasions its chairman. In 1941 Mr. Rees' premises at Beckenham were destroyed by bombing. He was fortunate enough to find premises at St. Albans, to which what was left of his stock and fixtures were removed. Since living in Hertfordshire he has served on the Herts Pharmaceutical and Pharmaceutical Service Commit-tees, as vice-chairman of the Hertfordshire Opticians' Association, and as a member of the local Optical Committee. He is a past-chairman of the Watford and St. Albans Branch of the Pharmaceutical Society. Now a director of two country pharmacies, Mr. Rees is a founder member of Unichem, Ltd., of which body he has been chairman since its inception. He was elected to the Council of the P.A.T.A. in 1947, and to the executive committee the next year. Since 1952 he has been a vice-president of the Association and chairman of the retail section. election to the presidency is a mark of the esteem in which he is held not only by his retail colleagues but also by the members of other sections of

#### **OVERSEAS VISITS**

MR. W. P. EWART (president, Pharmaceutical Society of Northern Ireland) is leaving on a three-month tour of South Africa.

MR. J. E. C. BAILEY, C.B.E. (chairman and managing director, Baird & Tatlock (London), Ltd., and Hopkin & Williams, Ltd.), is making a tour of the Middle and Far East, January 23—March 15. He is visiting Cairo, Karachi, Bombay, Ceylon, Calcutta, Singapore and Hong Kong.

MR. W. WALTON, B.Pharm., F.P.S. (chief export executive, Ciba Laboratories, Ltd.) has left England for a business tour of New Zealand, where he will be meeting the company's agents, and visiting doctors and chemists. He will also have a short stay in Australia.

MR. A. B. PILCHER (joint managing director, Solport Brothers, Ltd.), is leaving London on January 29 for a tour of the company's representatives and customers in South Africa, the Rhodesias, Tanganyika, Zanzibar, Kenya, Uganda, the Sudan, Egypt and Cyprus.

#### BUSINESS CHANGES

MR. JAMES J. MALONE, L.P.S.I., has opened a pharmacy at Chapelizod, co. Dublin.

MR. CAILIN CONEFREY, L.P.S.I., has opened a pharmacy at 136 Pearse Street, Dublin.

MR. THOMAS F. FITZMAURICE. L.P.S.I., has acquired Maher's pharmacy at Clonkeen Road, Dean's Grange, co. Dublin.

MR. P. DOHERTY, M.P.S.I., has disposed of his pharmacy at Carrigart, co. Donegal, to Miss E. Greene, M.P.S.I., and has opened a pharmacy at 33 Davis Street, Limerick.

MR. HAROLD JONES (representative in North Wales and the Isle of Man for Ayrton, Saunders & Co., Ltd., Liverpool, 1) has removed to 12 Lynton Walk, Rhyl.

BAIRD & TATLOCK group of companies opened their new offices, show-rooms and warehouse at 58 Lever Street, Manchester, 1 (telephone: Central 0937) on January 10.

**Appointments** 

VITAMINS, LTD., Upper Mall, London, W.6, state that Mr. Robert Kerr, who joined the company recently, is now acting as a trainee representative in Scotland.

POTTER & MOORE, LTD., Lavender House, Seymour Road, London, E.10, have appointed Mr. L. J. Sher-gold, 2 Haviland Grove, Weston, Bath, their representative in South-west England.

#### **DEATHS**

GORDON.—On December 31, Mr. James George Gordon, M.P.S., 16 Audley Road, Ealing, London, W.5, aged sixty-nine. Mr. Gordon was managing director of the Anglo-French Drug Co., Ltd., from 1925 until 1953, when, because of failing health, he relinquished the position and was appointed chairman. Mr. Gordon was also a founder director of Gabail, Ltd., and, for the past fifteen years, had held the position of managing director of that company.

MITCHELL.—At the Duke of York Home, Bradford, on January 5, Mr. T. H. Mitchell, founder (in 1919) and a director of T. H. Mitchell, Ltd., Bradford, which in November 1954 became associated with Thomas Swales (Leeds), Ltd., chemists' sundriesmen. Mr. Mitchell is survived by his widow and a

married daughter.

DEAN.—At his home, Aldin Cottage, Manchester Road, Wilmslow, Ches, on January 13, Mr. John Ibbotson Dean, aged eighty. Mr. Dean commenced his business career with James Woolley Sons & Co., Ltd., Manchester. Later he joined Sparks, White & Co., Ltd., Manchester. About forty years ago he founded the business of John I. Dean & Sons, essence manufacturers, High Street Laboratories, Plymouth Grove, Manchester. Mr. Dean had a wide circle of friends in the drug and mineral water industries and was actively engaged in business almost up to the death of his wife in December 1954. Mr. Dean is survived by a son and a daughter. The funeral service was held at Stockport Crematorium on

January 17.

Mr. John R. Goldthorpe writes: It was a high privilege to count Mr. Dean as a friend. To his outstanding business acumen was added a gentle, kindly disposition and a love of beauty in every form—music, art and literature. He made many friends and never an enemy.

"Scarce had need to doff the Pride or slough the dross of Earth. E'en as he trod that day to God So walked he from his birth In Simpleness and Gentleness and Honour and Clean Mirth.

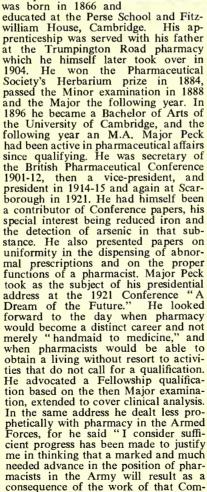
STAINER. — Recently, Mrs. Amy Stainer, Folkestone, Kent, aged ninetyfive. Mrs. Stainer was the widow of the late Mr. John Ward Stainer, F.P.S.

#### E. SAVILLE PECK THE LATE MAJOR

THE death took place at Cambridge on January 16 after a short illness, of Major Ernest Saville Peck, M.A., F.P.S., D.L., O.B., Order of St. John

of Jerusalem, Friars-Road wood. Long Trumpington, Cambridge, aged eighty-eight. The death of Major Peck breaks an association with the Pharmaceutical Society dating back to its foundation, for his f a t h e r, Alderman George Peck, also a pharmacist, began his pharmaceutical pnarmaceutical apprenticeship in 1841.

Ernest Saville was one of four brothers, two of whom were also pharmacists. He ap-



mittee [a joint committee of the Society with the R.A.M.C.]."

During the 1914-18 war, he was a keen Territorial. On November 1, 1914, he was appointed Officer Commanding the depôt of the 1st Cambridgeshire

Regiment, and in the following June was promoted Major and made second in com-mand, the 3rd Batta-lion of that Regiment. In 1916 he became Commandant Eastern Commandant Eastern
Command Anti - gas
School, at which he
trained hundreds of
officers and men in
methods of dealing
with war gases. The following year he organised a similar School at Crowborough, Sussex. His experience in the field of defence against war

gases led to his visiting the United States in 1917 to give similar training to United States troops; he was there made British adviser at the United States Army Gas School. Shortly after the end of the war he was nominated by the Pharmaceutical Society for membership of the Civilian Advisory Board under the Ministry of Labour, and was sent to the British Army in Italy to explain the Government demobilisation grants scheme. On his return to this country he was asked to report on the training facilities at pharmaceutical teaching institutions, and his reports formed the basis on which recognition was given to schools by the Pharmaceutical Society. He was a member of the Council of the Pharmaceutical Society from 1922-43 (when he resigned owing to increasing physical disability) and was for a number of years a member of the Society's board of examiners. He was president of the Society in 1935-36.

#### Civic Activities

Major Peck was also active in civic affairs. He was elected to the Cambridge city (then borough) council in 1924, became mayor of the city in 1937-38, and an alderman on completion of his term of office as mayor. In 1939 he was appointed a Deputy Lieutenant for the County of Cambridgeshire. A founder-member of the Cambridge Rotary Club, he became its president in 1922-23. Later he founded the Cambridge County Folk Museum, to which he made a number of contributions. His own private collection of bell-metal mortars was the subject of an article in THE CHEMIST AND DRUG-GIST Annual Special Issue, 1952. Major Peck is survived by his widow, two sons and a daughter. A funeral service was held at Cambridge on January 20.

#### TRADE NOTES

Piglet Anæmia.—Tablets each containing 0.5 gm. reduced iron with cobalt are issued in bottles of thirty and 100 under the name Stylatone by Hodges & Moss, Ltd., 6 Castle Gates, Shrewsbury.

Half-strength Tablets. — Glaxo Laboratories, Ltd., Greenford, Middlesex, announce the introduction on January 24, of a half-strength Streptopen uterine tablet (Streptopen "250"). The existing pack of Streptopen uterine tablets will in future be known as Streptopen "500" uterine tablets.

Holders for Cream-powder Cakes.—A range of designs of the Beaubelle "beautifier," a compact decorated container for the currently popular cream-powder cakes, is being exhibited by the makers, A. S. Brown & Co. (Mfg.), Ltd., 79 Coborn Road, London, E.3, at the Harrogate gifts and fancy goods fair, January 31 to February 4.

Bathing Caps. — OLNEY AMSDEN & SONS, LTD., Little Britain, London, E.C.1, are the distributors of the Roxy watertight bathing cap with the continuous band, the subject of world patents.—The Trident swimming cap is claimed by the makers, W. W. HAFFENDEN, LTD., Richborough Rubber Works, Sandwich, Kent, to be comfortable, watertight, long-lasting and "feather"

Creamy Make-up in New Shade.—Max Factor Hollywood and London (Sales), Ltd., 16 Old Bond Street, London, W.1, have introduced a new shade in their creme puff: Twilight blush, suggested as ideal for medium complexions requiring the addition of a rose tone. It gives "a most becoming warmth" to skin that lacks natural colour. Distribution is being arranged so that the product may be on sale to customers on February 7.

Bulbs for Irradiation.—The Cardinal infra-red-ray bulb, marketed by Ultraviolet, Ltd., Avenue Chambers, Vernon Place, London, W.C.1, combines a parabolic shape, pink ("scientifically determined") tinted glass, and internal reflector, with the claimed result of ensuring an even and beneficial heat distribution over the body-area exposed to it. The bulb has an Edison-screw type cap, permitting it to be used in any

fitment so fitted. The output is 300 watts, and bulbs are available for 200 to 250 volts, alternating or direct current. The company's Neron ultra-Vitalux irradiator comprises a mercury high-pressure quartz glass arc surrounded by a tungsten filament in pearl glass bulb, filtering out rays below 2800 Angstrom units. The bulb is parabolical in shape, with internal reflector, and can be used without choke, transformer or starter. The output is 300 watts (200-50 volts, a.c. or d.c.).

Chemical Apparatus Catalogue.— The Achema year-book, 1953-55, and European catalogue of chemical apparatus and equipment (approximately 900 pp.), have been published as a trilingual volume (English, French and German) by Herbert Bretschneider, Dechema Deutsche Gesellschaft für chemisches Apparatewesen, Frankfurtam-Main, Germany.

#### **Bonus Offers**

THE CROOKES LABORATORIES, LTD., Park Royal, London, N.W.10: Thirteen invoiced as twelve (introductory offer).

During January, February and March special bonus terms of 1s. per doz. are offered by BOVRIL, LTD., 148 Old Street, London, E.C.1, on orders for Jaffajuce sweetened orange.

#### NEW PRODUCTS AND PACKS

Anti-rheumatic Cream.—A new speciality, Anabalm, containing squalene, 10 per cent., β-chloroethyl salicylate, 10 per cent., oleoresin of capsicum, 0·1 per cent., menthol, 4 per cent., and histamine hydrochloride, 0·1 per cent., has been introduced by The Crookes Laboratories, Ltd., Park Royal, London, N.W.10. The salicylate is claimed to be presented in a form that ensures gradual release of the radicle. The pack is a 1-oz. tube, twelve to a display carton.

Hæmatinic Tablets. — Feravol, a 7-gr. sugar-coated tablet containing ferrous sulphate, gr. 3, vitamin B<sub>1</sub>, 0.4 mgm., riboflavine, 1.0 mgm., and vitamin C, 9.0 mgm., has been introduced by Carlton Laboratories (Southern), Ltd., 46 Preston Street, Brighton, and is now being brought to the notice of the medical profession. The advantages claimed for it are maximum therapeutic activity combined with optimum iron assimilation. Feravol is issued in bottles of forty, 100 and 500 tablets.

Sensitisation Risks Avoided.—Menley & James, Ltd., Coldharbour Lane, London, S.E.5, announce the introduction of a new speciality, Prinexin. Hitherto the local use of antibiotics in treating upper respiratory tract infections has been attended by the danger that the patient may be rendered sensitive, or the bacteria resistant, to the antibiotic at a time when its use is not essential, and be thereby denied the benefits of the antibiotic on some subsequent occasion when its use might

decide between life and death. Prinexin contains gramicidin and polymyxin B, antibiotics that are rarely used systemically. In conjunction they are effective against the whole range of virulent organisms of the upper respiratory tract. They are presented in combination with Paredrinex vasoconstrictor as ingredients of Prinexin, which is claimed effective in the prevention and treatment of complications of the common cold, tonsillitis, otitis media, sinusitis, laryngitis, bronchitis, minor chronic inflammatory conditions such as catarrh following coryza, and skin conditions where the anterior nares are a focus of staphylococcal infection. It is issued in 15-mil bottle with dropper.

Lipstick and Display Card.—A new Tangee lipstick, the standard swivel, a



"luxury lipstick at a best-selling price," is being marketed by Luft-Tangee (London), Ltd., 329 High Holborn, London, W.C.1. It is presented in a polished, chased-metal case, has a "smooth swivel action" and new-shape lipstick filler. It is available in eight colours (natural, theatrical red, red red, medium red, gay red, pink queen, rhapsody in pink and cherry pink), The free counter display card illustrated holds 1 doz.

Infra-red at Home.—The full benefits of infra-red at home are made available by a new standard lamp, the Hanovia Sollux H8, which has a swivel mounting readily adjusted to any angle, a lightweight stand and castor wheels. The makers are Hanovia, Ltd., Slough, Bucks.



STAFF DINNER: Staff of G. D. Searle & Co., Ltd., London, W.I., photographed at a Christmas dinner at Cookham, Berks, at which Mr, and Mrs, Boes (Laboratoires Gremy, Paris) were special guests.



#### Machinery and materials to be seen at 1955 Packaging Exhibition

THE 1955 Packaging Exhibition was opened by the Lord Privy Seal (Captain H. F. C. Crookshank, M.P.) and by the High Commissioner for India (Mrs. Vijaya Lakshmi Pandit) at Olympia, London, on January 18. It remains open daily 10 a.m. to 6 p.m., until January 28 until January 28.

During the exhibition, a convention organised by the Institute of Packaging takes place. It consists of a series of talks by expert speakers and dis-cussions on such subjects as "Should the Product fit the Package?" "Cut-

ting Costs on the Packaging Line," etc.
The exhibition is the fourth in a series that is being held at two-year intervals, and it is the largest that has yet been staged in Britain. Over 200 exhibitors from both Britain and the

Continent have taken space.

Among exhibits of Albro Fillers & Engineering Co., Ltd., Enfield, are the two-head junior vacuum-operated valveless filling machine for filling bottles up to 8 oz. size; a volumetric filling machine for pastes and creams, etc.; and one-, two- and four-headed machines for filling oils, etc.

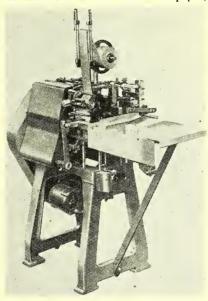
A new high-speed tablet batching counter is being shown by ALITE MACHINES, LTD., Letchworth. Tablets are fed from a hopper on to five guides by means of an oscillating brush. The guides lead into five chutes. The column of tablets, end on, can be held back by suction applied through a small hole in the side of the chute on to the face of one tablet. While the column is held back a flapper at the bottom of the chute is raised, also by suction, so as to release from the chute those tablets situated below the suction point. The machine was developed by the engineering department of the Dyestuffs Division of Imperial Chemical Industries, Ltd.

THE ANCHOR GLASS Co., LTD., London, show a wide range of containers, don, show a wide range of containers, pipettes, droppers, ampoules, etc., including many with polythene closures. A new development is the "pillar-pack," a polythene-capped glass tablet vial having three prongs protruding from the cap, which hold the tablets in place climatics extensived. in place, eliminating cotton-wool.

Machines exhibited by AUTOPACK,

Ampak ampoule filling and sealing machine, which is now adapted for drawn-off sealing as well as tip sealing. All parts of the machine coming in content with the solutions are as in contact with the solutions are of stainless steel. The machine has an air pump for providing pressure to the burners and is complete with driving motor and electrical equipment. Also shown in the company's amoule cutshown is the company's ampoule cut-ting machine, which now incorporates a sharpened steel disc instead of a diamond. The disc gives indefinite wear and is cheap to replace, compared with the expensive replacements of the diamond.

AUTO WRAPPERS (NORWICH), LTD., are exhibiting their Type E fully automatic machine for wrapping and banding blocks and cubes such as bath cubes. The machine takes waxed paper,



Bath-cube wrapper (Auto Wrappers (Norwich), Ltd.).

foil or cellulose film from the reel, and printed labels from the stack. Its output is sixty or seventy per minute. Also exhibited is the company's type

R roll-wrapping machine for wrapping compressed lozenges, etc.

For the carriage of chemicals, etc., fibre drums with a bitumen and aluminium foil barrier built into their walls so as to make them virtually waterproof are being shown by the packaging division of BOWATERS SALES Co., LTD.

BRITISH CELANESE, LTD., London, show their range of Clarifoil transparent film.

A novel polythene and carton board container suitable for liquids, and consisting of a bag of polythene tubing inside a carton outer which can be printed, the two being sealed and stapled together, is shown by BRITISH CELLOPHANE, LTD., London. The company are also featuring the newly-developed B.C.L. sheeting machine, the first of its kind to be offered to users in Great Britain, which enables cellu-lose film sheets to be cut from a roll at high speed and in a wide range of sizes. The company are especially featuring the B.C.L. "K" polythene film, a material specially treated to give a surface which holds printing fast.

BRITISH GLUES & CHEMICALS, LTD.,

show a new thermo-setting animal glue.



Polythene and carton board containers for liquids (British Cellophane, Ltd.).

The cold emulsion of glue is applied to one surface, on which is then placed the material (any paper or board) that is required to be attached. Adhesion is effected by pressure from a heated pad.

BX PLASTICS, LTD., show a range of thermoplastic materials and their uses in packaging. Exhibits include sterilised surgical instruments heat-sealed in polythene, and Bextrene polystyrene moulding powder utilised to make rigid tubes for tablets.

Tuboplast flexible polythene tubes are one of the main exhibits on the stand of CASCELLOID, LTD., Leicester. The tubes are light, tough and flexible, and can be printed in up to four colours with printing inks permanently locked into the polythene material. All

cinema-Television, Ltd., London, are exhibiting a new model Mark IV industrial electronic metal detector, which incorporates many new features. Also demonstrated are a number of

CRODA, LTD., Goole, Yorks, are featuring lanolin-based strippable coatings for engineering use, and the Metacon 516 rust remover and anti-corrosive treatment.

Aluminium tubes coated internally with polythene to protect against chemical action are being shown by JOHN DALE, LTD., London. Examples of tubes coated internally at the base with latex for effective sealing when the tube is crimped are also shown by the same company.

HENRI DESIONQUERES, S.A., Paris, show neutral glass bottles for antibiotics and a wide range of other glass containers for pharmaceutical and perfumery purposes.

JOHN DICKINSON & Co., LTD., Hemel Hempstead, show a range of transparent acetate containers; Seal-Easi bags coated internally with a band of latex which when pressed together seals the bag; medicine-bottle bags; and pockets coated internally with polystyrene so that they are moisture resistant and can be automatically filled and heat-sealed.

On the stand of EVANS CHEMICALS, LTD., Boreham Wood, the company demonstrates its ability to make, in its own engineering shops, plant to handle any job that would normally be done by hand. A machine in operation on the stand shows the packing of a quantity of silica gel followed by wadding into a cap. The cap used as a tubeclosure, keeps the contents of the tube moisture free.

A boat-shaped polythene feeding bottle is featured by FIBRENYLE, LTD.



Polythene feeding bottle (Fibrenyle, Ltd.).

The two open ends are set horizontally, allowing, it is claimed, a more natural feeding position for the bottle

allowing, it is claimed, a more natural feeding position for the bottle.

A new model of the Kalix-Dupuy automatic tube - filling - and - closing machine, with the hopper fitted with a surface heater instead of a water jacket is being shown on the stand of FLEXILE METAL Co., LTD., London. The same machine can be easily adapted by a separate fitment for the filling of jars. A new machine, working on similar principles, for the filling of tins up to 1 quart is also shown.

Primarily featured by FORDS (FINS-BURY), LTD., Bedford, are machines for capping and sealing glass aerosols. The Mark P.1. spinner applies an aluminium cap which holds the spray-



Moisture-resistant vial closure (plug, foil disc and overseal) for Glaxo penicillin.

tube, bung and valve firmly in the bottle and renders the The company are also exhibiting the Mark P10 cap-making press for the manufacture of aluminium caps for vials of antibiotics, etc., and machines for applying and spinning the caps.

In addition to many examples of shop rounds, and pharmaceutical bottles of all sizes from vials to carboys the stand of the GLASS MANUFACTURERS' FEDERATION, LTD., London, features a colour transparency of the dispensary in the pharmacy of ALLEN & HANBURYS, LTD., Vere Street, London.

LEON GOODMAN DISPLAYS, LTD., fea-

ture many new sales-promotion devices and point-of-sale display material. "Write-on" self-adhesive moisture-

"Write-on" self-adhesive moistureproof tape which can be written on
with fountain or ball-point pen, pencil, etc., is a new product being exhibited by GORDON & GOTCH, LTD.,
London. The tape is supplied in plain
white, or as a continuous roll of redborder labels, square or oblong, from
price-ticket up to label size, with a
white writing surface. The tape can
also be supplied to order with any
other coloured background and can be
over-printed with the user's name and
address, etc. Also featured on the
stand are the company's full range of
self-adhesive tapes in various colours;
plain or printed, moisture-proof, acidresisting, elastic and rigid tapes; and
various types of dispenser.

resisting, elastic and rigid tapes; and various types of dispenser.

JOHN GOSHERON & Co., LTD., London, are showing Markotape, a selfadhesive tape which can be written on in ink, pencil, etc., and is supplied as rolls of label blanks, white with red border, and a similar type of printed tape having an impregnated panel which can be written on with any pointed object such as a knitting needle; the water-proof qualities of Transovyl transparent vinyl tape are demonstrated by the suspension of a roll of it inside an aquarium on the stand; also featured is a new type dispenser for self-adhesive tape, having a razor-edged knife instead of a

serrated cutting edge.

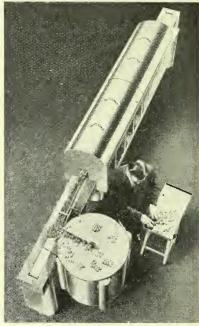
GRAVFIL MACHINES, LTD., show a range of rinsing, filling, capping and conveying machines for bottles and other containers.

Demonstrated on the stand of HANSELLA MACHINERY & PACKAGING, LTD., London, is the Hansella Transwrap automatic bag packaging machine type 125A. The machine is suitable for a wide variety of bag-making, bag-filling and bag-sealing operations. Liquids, granules or powders can be filled and sealed in bags formed from a reel of heat-sealing film, coated paper or foil, and papers or foils laminated with polythene, etc., carried on the machine.

New developments exhibited by IVERS-LEE (GREAT BRITAIN), LTD., Slough, include two types of four-sided seal packs which will withstand sterilisation, a paper-polythene pack which withstands temperatures up to 120° C., and a polythene envelope laminated with polyvinyl chloride foil, heatresistant at 150° C. Also shown are many types of heat-sealed unit packages of tablets, capsules, powders, creams and liquids, many of them incorporating new easy - opening notches and/or a new type of perforation between pockets for easy separation, and the "twin-pack" tablet strip, having two tablets in each pocket, a more economical method of strip-tableting where the usual dose is two tablets. The company also show silica-gel packs for pharmaceuticals, the gel being enclosed in porous envelopes for inclusion in containers for drying and moisture-proofing their contents.

A new fully automatic vial cleaning machine is demonstrated by the THOMAS HILL ENGINEERING CO. (HULL), LTD. It is the Speke Mark II

in which the vials are kept upright instead of, as usual, inverted. It is claimed that that leads to higher effi-



Automatic vial-cleaning machine (Thomas Hill Engineering Co. (Hull), Ltd.).

ciency in cleansing. The machine has an output of over 10,000 vials an hour.

INDUSTRIAL TAPES, LTD., are showing Label-rite self-adhesive tape which can be written on and is supplied as rolls of labels in twelve different sizes, white on a red background. The labels can be over-printed to the customer's requirements.

JOHNSON & JOHNSON (GREAT BRITAIN), LTD., demonstrate their Flicx sealer which secures packages with short tabs of Permacel cellulose self-sealing tape. It is hand-operated. Another tape-dispenser shown is one that delivers tape to a length predetermined by a simple setting mechanism.

Various types of thermoplastic coated papers and foils for adhesion to difficult surfaces are shown by SAMUEL JONES & Co., LTD., London. The Imatac label paper is activated by heat while it is in contact with the article to which it has to stick. When the source of heat is removed the adhesive cools and sets instantaneously. The Delatac label paper is activated by heat but retains its adhesiveness for some time even when it has cooled after the source of heat has been removed. The label can then be applied as a separate operation.

JULES LANG & SON, London, are

JULES LANG & Son, London, are showing a range of perfumery and novelty bottles and particularly featuring places are all particularly featuring places are all particularly featuring places.

ing glass aerosol bottles.

MANESTY MACHINES, LTD., Liverpool, are exhibiting a selection of their pharmaceutical machinery, including the Drycota machine for sugar-coating tablets by compression, and a selection of their new water stills, as well as coating-pans, tablet-making machines, mixers and granulators.

An exhibit on the stand of the

METAL BOX Co., LTD., London, is the "collar can," a hermetically sealed can that is now being used for photographic chemicals. The can is opened after the fashion of a cooked-meat tin with a metal key, but the can is made so that the portion cut off can be refitted on an inside collar to close it again. Two new aerosol precision valves are also shown. One is suitable for use with hair lacquers, etc., and another is a modification of that, for use with shaving creams, etc. The modification consists of a hood with a large rectangular aperture that fits over the normal outlet and causes the cream to be ejected in ribbon form.

METAL CLOSURES, LTD., West Bromwich, are specially featuring a new pilfer-proof bottle cap, having a normal right-hand thread at the top and a left-hand thread in the bottom band, with a perforation between the two. The lower band, being screwed, cannot be levered up without breaking the perforation, making pilfering impossible, and after opening can be simply screwed off the bottle instead of being

cut off.

Rubber-lined drums for the carriage of certain chemicals including acids are shown by METAL CONTAINERS, LTD., London. The rubber is attached to the metal by a special vacuum process. The drums are available in 5 and 45 gall. size.

MIDLAND AEROSOLS, LTD., London, indicate the service that they provide to the trade in the filling of pressurised aerosol containers. Shown on the company's stand are many types of aerosol containers and of valves.

MORGAN FAIREST, LTD., Sheffield, are demonstrating the Clinitape strip packaging machine for tablets and capsules, and also a thermoplastic labelling machine which utilises labels printed on a thermoplastic - coated paper applying them by heat-sealing, without

the use of gum.

Adhesives for labelling on to any type of metallic surface are shown by NATIONAL ADHESIVES, LTD., Slough. Other adhesives shown by the same company included types specially prepared for labelling silicone-coated vials and for labelling cellulose film and polythene packages; a permanent tacky adhesive used for holding in position the metal godet containing a solid block of powder in a plastic powder compact. When a refill is fitted, no fresh application of gum is required.

THE NATIONAL FEDERATION OF GENERAL STONEWARE MANUFACTURERS are exhibiting a wide range of containers in British-made stoneware, including extract and ointment jars, perfumery containers, shut-over covered ointment jars, tap-hole containers and stoneware containers in wicker cases for safety

in transport.

Vacuum fillers and various types of conveyor equipment including slot chain and gravity rollers are shown by NEALIS HARRISON, LTD., Hull.

The Thermorex permanent labelling machines Marks II and III are demonstrated by RAWSONS (LABELLING MACHINES), LTD., Tunbridge Wells. The Mark II applies paper or foil labels by all-over adhesion to containers of almost any material. The labels are printed on paper pre-coated with



Stoneware containers (The National Federation of General Stoneware Manufacturers),

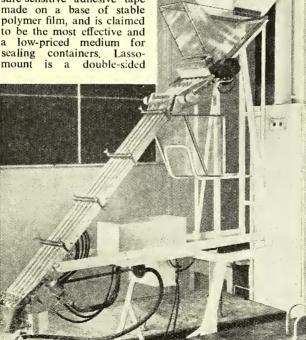
a special delayed-action thermoplastic adhesive. The Mark III is similar to the Mark II but has an additional conveyor unit for all-round labelling of cylindrical-shaped bottles and vials.

Resil, an inert fibrous pulp made mainly from wood waste and forming a resilient cushioning material for the packaging of such items as bottles of chemicals is shown by RESIL PROCESSES, LTD., London. A unit of the material usually comprises two sections or blocks pre-shaped on their inner surfaces to conform closely to the exterior contours of the article being packed.

ROBINSON & SONS, LTD., Chester-field, are exhibiting a wide range of pill and ointment boxes, Little John drums, and ampoule containers.

On the stand of R. P. SCHERER, LTD., Slough, who exhibit a comprehensive range of gelatin capsules for various uses, is exhibited a diorama by H. Broun-Moisson of the invention of the first gelatin capsule.

Two new types of adhesive tapes are exhibited by the technical tapes department of SMITH & NEPHEW, LTD., Welwyn Garden City. Lassometic is a new pressure-sensitive adhesive tape made on a base of stable polymer film, and is claimed to be the most effective and a low-priced medium for



adhesive mounting for printing plates.

Paper, boards and plastics for every

printing, packaging and wrapping purpose are shown by SPICERS, LTD., London.

H. STRUNCK & Co., LTD., Köln-Ehrenfeld, Germany (London agents: GUEST INDUSTRIALS, LTD.) are showing a machine, Type E.F.1, for labelling both flat and round pharmaceutical bottles. The machine, which has a capacity of 5,000 bottles an hour, incorporates a device for printing on the labels the batch number or expiry date, up to six figures at one time.

The TELEGRAPH CONSTRUCTION & MAINTENANCE Co., LTD., are featuring Telcothene (polythene) coated kraft and sulphite papers, used in the moisture-proof packaging of chemicals, etc.

An extensive range of corrugated fibre-board containers is being shown by the Thompson & Norris Manufacturing Co., Ltd., Brentford, including a twin-fluted corrugated case with five thicknesses at top and bottom, for the transport of fragile or heavy articles, and the twin postal pack which packs two bottles of soft drink for posting.

A selection of labelling apparatus shown by D. Trapow & Co., Ltd., London, includes a modification of the Newman ampoule labelling machine, model 2B, which is now adapted to deliver the labelled ampoules in an upright position; the Newman self-feeding gumming machine, Model 1D, which now takes two labels at one time; and an entirely new cap wadding machine, Model 2E, which automatically inserts wads of various types into plastic or metal caps, at the rate of 100 per minute.

THE VISCOSE
DEVELOPMENT
Co., LTD., London, show the use
of their Viskrings
and Viskaps to
seal containers for
hypodermic syringes in hospital
syringe services.

Other exhibitors include: — T H E ARABOL MANUFACTURING CO., LTD., LONDON; J. DRING, LTD., PORTSMOUTH; PURDY MACHINE CO., LTD., LONDON; ROBERTS PATENT FILLING MACHINE CO., LTD., Bolton.

Tablet counting machine (Alite Machines, Ltd.). (See p. 87.)

#### EXAMINATION RESULTS

THE following candidates satisfied the examiners in the Pharmaceutical Chemist Qualifying examination held by the Pharmaceutical Society in England and Wales in January (†=certificate withheld pending cvidence of practical training or age):

training or age):—

†Allsop, Keith R., Birmingham
Ashcroft, Constance E., Manchester
†Ashton, Jil ian E., Cardiff
†Atherton, Peter D., Blackburn
†Atkins, Eleanor M., North Cheam
†Baird-Parker, Sheila, Tollerton
†Barnes, Anthony J., Coventry
Beadle, John S., Slough
Berristord, Joyce E., Derby
Birtwistle, Beryl, Southport
†Bishop, David A., Mitcham
Boden, Edward N., Blackpool
Bowrey, Anthony P., Bath
†Bradshaw, Mary P., Putney
†Bridge, Peter F., Manchester
Brierley, Colin, Blackpool
†Brooke, Doreen, Southsea
†Brown, Vernon K. H., Toddington
Butler, Harold, Golne
†Carey, Brian, Rossendale
†Carter, Gerald I., Buxton
Challener, John A., Macclesfield
Christian, Peter H., Nottingham
Collins, Iris M., Wellington
Connell, Sheila M., Sutton Coldfield
Cox, Michael G., Deal
Crabtree, Ernest P., Kirkheaton
Croom, Timothy J. D., Bournemouth
Cross, David F., Sheffield
†Davies, Sheila M. H., Swansea
†Degg, Mary, Stoke-on-Trent
†Dixon, John, Leicester
Dolby, Heather M., Broadway
†Dover, Marian J., Goring-by-Sea
†Elliott, Donald S. S., Clapham Junction
Eliison, Aileen B., Norbury
†Ellison, Bryan, Barnsley
†Enoch, Graham J., Watford
Espley, Malcolm H., Botton
Essephigh, John E. Moserker †Elliott, Donald S. S., Clapham Junction Eliison, Aileen B., Norbury †Ellison, Bryan, Barnsiey †Enoch, Graham J., Watford Espley, Malcolm H., Bolton Essenhigh, John F., Meopham †Evans, Nesta M., Llandaff Evans, Nesta M., Llandaff Evans, Pauline, Portsmouth †Fuller, Peter D., East Ham †Fung, Alice S. C., Hong Kong Garland, Geoffrey, Bristol †Gayton, Margaret M., Kirby Muxloe †Gent, Rene E., Reading †Goddall, David J., Worthing Grace, James A., Huddersfield †Griffin, Irene J., Birmingham †Grogan, Cherry J., Bristol †Gunja, Yanus H., Brighton Hammond, Bruce R., Bradford †Harari, Victor, Manchester Harries, Arthur D., Sketty †Harrington, Eleanor A., Beckenham †Harris, Thomas, A. West Bromwich Harrison, Peter, Burnley †Haynes, Margaret F., Bristol †Head, Jeanette E., Chandlersford †Heman-Ackah, Samuel M., Queensway †Hicken, Albert G., Market Harborough Hill, Clifford, Wood Green †Hill, Vivienne J., Stoke-on-Trent †Hindle, Janet M., Birmingham †Hine, Julie M., Manchester †Hocking, Catherine L., Exeter Hockney, Margaret, Sheffield †Hodson, Ronald E., Farnworth Holland, Joan H., Solihull Hughes, Gordon M., Leatherhead Hughes, Watter G., Douglas †Humphrey, Eric W. C., Twickenham †Hunt, Trevor R., Pontypridd †Iketubosin, George O., Liverpool †Jeacock, Margaret M.C., Rugby †Jenkins, William G. H., Swansea †Jetha, Amirali M., Leicester †Jones, Margaret E., Sheffield Knowles, Betty M. M., Helsby †Lamb, Olive D., Sheffield Lambert, Raymond, Nottingham †Lee-Amies, Derek, Worthing Lambert, Raymond, Nottingham †Lee-Amies, Derek, Worthing

†Leeman, John K., Wednesfield
Lestner, Barry C., Leeds
†Levi, Hella A., St. Johns Wood
†Lewis, Mary, Birmingham
†Lichtenhein, Laurence J., Birmingham
†Lichtenhein, Laurence J., Birmingham
Lund, Barbara M., Manchester
†McDonald, Eileen M., Bristol
†Mahoney, John H. M., Newport
Marris, Philip G., Horley
†Martin, Lucy E., Dartford
†Mathur, Keshav S., Brighton
Meacham, Frank, Stoke-on-Trent
Mottershead, Basil, Leek
†Moulden, Hazel M., Sydenham
†Newstead, John O., H., Klagenfurt
Parry, Anne C., Mold
Patrick, Richard L., Nottingham
†Paul, Justus O., Hove
†Penhallurick, Robert L., Pontyclun
†Pickens, Joan T., Brockley
†Prince, Ronald, Paddington
†Prothero, Grant, Stanmore
Ouinton Robert M., Betchworth Prince, Ronald, Paddington
†Prothero, Grant, Stanmore
Quinton, Robert M., Betchworth
†Ranson, Mary E., Sutton
Raynes, James A., Ripley
†Rhodes, David S., Cheadle Hulme
†Richards, Robert M. E., Derby
†Ries, Geoffrey R., Stamford Hill
†Rilot, Joan, Bexhill
†Roberts, Pauline L., Altrincham
Robins, Eric L., Exmouth
Robson, John P., Manchester
Roddy, Ann E., Folkestone
†Rose, Gillian M., Bedford
†Rosenfeld, Eva M., Hampstead
†Rothery, Bryan H., Manchester
Russell, Peter J., Washwood Heath
Ryan, John T., Stoke
†Sames, David A., Romford
Sampson, Norman, Leicester
†Sanders, Bruce, Lambeth
Scott, Mickelm J., Eveter †Sanders, Bruce, Lambeth Scott, Malcolm J., Exeter Senior, Jean, Rotherham †Shear, Ronald, Forest Gate †Shorney, Robert H., Basingstoke †Sim, Malcolm F., Harrogate

†Simmonds, Geoffrey L., Finchley
Skillman, Gwynneth, Maidstone
†Sluce, Jill E., Wimbledon Park
Smee, Sheila M., Plymouth
†Smith, Alan, Newport (Mon.)
†Smith, Alan, Newport (Mon.)
†Smith, Javid J., Melksham
†Smith, Gordon, Radcliffe
†Smith, Imelda M. A., Penarth
†Smith, Kenneth B., Manchester
†Salomon, Celia J., Southampton
†Souch, Frederick W., Stafford
†Stanley, Jean A., Barry
†Stevens, Robert W. O., South Norwood
Storer, Margaret C., Liverpool
†Stott, Neville G., Stockport
†Sudbury, Ann, Ilkeston
†Sussman, Sybil R., Stoke Newington
Swift, Douglas, Thackley
†Taylor, Ian C., Leatherhead
†Terry, Elizabeth A., Ashwell
†Thomas, Hywel L., Catford
†Thorne, George D., Nottingham
†Toptam, John D., Gillingham
†Topham, John D., Gillingham
†Topham, John D., Gillingham
†Topham, John D., Cardiff
†Vowles, Sheila M., West Bromwich
†Wardman, John E., Bimbrook
†Wardman, John A. C., Sidmouth
†Wardman, John A. C., Sidmouth
†Wardman, John A. C., Sidmouth
†Wardman, John E. B., Binbrook
†Wentworth, Patricia, Barry
Wheatley, Thomas M., Driffield
†Whistler, Elizabeth A., Newark-on-Trent
Whittle, Brian A., Chesterfield
†Wilkinson, Francis J., Manchester
†Williams, Robert M., Truro
†Williams, Robert M., Truro
†Williams, Thomas, Manchester
†Williams, Thomas, Manchester
†Williams, Thomas, Manchester
†Williams, Michael A., Burnley
†Wood, Margaret J. H., Liverpool
†Worsdey, John B., Manchester †Worsley, John B., Manchester †Wynne-Williams, Valmai, Cardiff †Yeeles, Michael G., Ilford

#### DR. DAVIS AND HOSPITAL PHARMACISTS

#### Guest speaker to South-west Metropolitan group

AN evening session of a conference of the South-west Metropolitan Pharmacists Committee (see p. 91) was addressed on January 15 by Dr. H. Davis (chief pharmacist, Ministry of Health). His subject was "The Linstead Report and Hospital Pharmacy." DR. DAVIS revealed that the full report of the Linstead Committee on hospital phar-Linstead Committee on hospital pharmacy would probably be available in two or three weeks. He said that the summary of the report which had already been published (see C. & D., July 17, 1954, p. 57) contained most of the important recommendations. Dr. DAVIS suggested that the setting up of the Linstead Committee had been a step in the right direction. That such a Committee had been set up and an opportunity given to it to get the facts at a time when the Ministry had so many other problems to deal with was competing about which the profession. something about which the profession could be pleased. The producers of such a report had to be careful not to give an impression of prejudice in favour of vested interests in hospital pharmacy. The independent members of the Committee had worked hard and had helped to prevent such prejudice. He considered that the report as a whole was a first-class job and that hospital pharmacy would benefit from it ultimately.

Dr. Davis predicted that when the full report was available it would be

seen that the already published summary was an excellent one. Commenting on that summary, he said that no effort had been made to conceal defects in the pharmaceutical service. On the question of the position of the pharma-cist in hospital administration, DR. DAVIS said that many hospital pharmacists thought that it was wrong that the pharmacist was not included as a member of the hospital management committee. From his experience, however, a pharmacist would waste much time sitting on a committee dealing with general hospital problems. A small pharmaceutical subcommittee meeting twice a year was much more effective. The Linstead report had rightly suggested that the chief pharmacist should have access to the people who were running the hospital.

Dr. Davis said that he sincerely hoped that the conference on dispensing assistants suggested by the Linstead Committee would be held soon. He looked upon as groundless the re-tailers' fears that if dispensing assis-tants were recognised the time would come when such assistants would take the place of pharmacists. In other countries where assistants were recognised their qualifications were too far removed from that of pharmacists for any usurpation to take place. It had to be recognised that a pharmacist who spent his time doing routine dispensing in a hospital was watched by medical students and by young and old medical practitioners. They did not get the impression that the pharmacist was a good professional man when he was doing that sort of thing. It was not dangerous to give such work to an assistant. In many factorics one could see girls doing routine work far more satisfactorily than it could ever be done by any

Bachelor of Pharmacy.

It was his opinion that there was a shortage of pharmacists in all branches of pharmacy and therefore it was necessary to have assistants. He had heard a rumour, which he believed had originated in the North, that he (Dr. Davis) had an idea that there should be no more than one pharmacist in a hospital. He denied very vigor-ously that he had ever held such a view. He hoped that eventually assistants in dispensing would be recognised for routine dispensing in retail

The Central Health Services Council had now set up a committee to investigate the whole supplies machinery in hospitals. There was certainly much in the Linstead report which would help them when they came to deal with the question of pharmaceutical supplies. The contracting scheme of the South-west Metropolitan Pharmacists Committee had followed the Lin-

stead report faithfully. Some sacrifice was needed on the part of certain chief pharmacists when it came to centralisation of manufacturing activities. Primarily such a de-partment should be there to produce goods economically. goods economically. There might be some justification for it for training pharmaceutical apprentices. It taught the principles of, but was not, pharmaceutical manufacture. A good clean-up of some hospital manufacturing activi-

ties was needed. The report indicated that there might be some advantages in using the services of the supplies department. Some pharmacists seemed to want as much paper work as possible. ment. That could be done equally well by a clerk. It was a pity in fact that some hospitals did not have the clerical

facilities available.

Dr. Davis said that nothing in the pharmacist's training covered surgical instruments, x-ray materials, and so on, and they should not generally be his

responsibility.

On the question of the group system, he thought that hospital pharmacy gained if it got hospital pharmacists at a higher level. He emphasised that the report had rightly drawn attention to the need to maintain each chief pharmacist's individual authority in his hospital.

Dr. Davis remarked on the Committee's approval of research activities and suggested that hospital pharmaceutical departments, even with the time and equipment at present available, should be providing more original papers than they were. There should be more of them at the British Pharmaceutical Conference. He congratu-lated the South-west Metropolitan Pharmacists Committee on its initiative in producing its drug contract scheme, which was an example of co-operation

with the best interests of the Service at heart.

#### Discussion

MR. J. D. BURNS asked how the chief pharmacist could cope with the additional responsibility of supervising closely the work of unqualified assis-He deprecated the suggestion that unqualified people should be employed in hospitals. He thought that pharmacists in hospitals should order their supplies direct and not through a supplies officer. DR. DAVIS replied that there was a general shortage of pharmacists in every branch of pharmacy, and if that was so, then assistance must be obtained. Assistants already existed. He had never suggested that there were too many pharmacists in hospital practice. Supervision did not mean standing over the assistant. Work had to be delegated.

MISS E. M. BRISTOWE asked if it was legal to lcave an unqualified assistant in charge of dispensing. DR. DAVIS: Legally, it would be permitted, but the pharmacist would have to take the responsibility for so doing. In the general question of responsibility for the running of his department the speaker said that, in his opinion, the more responsibility that the chief took on the better. Status could only be obtained by taking on responsibility.

MR. E. W. SIMPSON said that if un-

qualified assistants were incapable of carrying some responsibility they were

no use.

MR. P. CREES, Birmingham, suggested that the formation of group chief pharmacists would detract from the personal responsibility of chief pharmacists in the individual hospitals.

There would be a tendency for the other chiefs to look to the group chief to solve their problems. Dr. Davis thought that it was too sweeping to suggest that the creation of a group chief would cause chief pharmacists to shelve their responsibilities and did not agree that it would do so.

#### REPORT ON DRUG CONTRACT SCHEME

A REPORT on the South-west Metropolitan Hospital Pharmacists Committee's scheme of regional contracting for drugs was presented at a conference on the scheme that met in London on January 15.

The report states that the Committee's scheme of regional contracting for drugs has been in operation since July 1, 1954, and now embraces thirty-nine hospital groups. The scheme has had the official recognition of the Hospital Management Committees and Boards of Governors and the support of the

Regional Hospital Board.

The scheme has promoted co-operation between officers of the several departments of the hospital service, notably, between the pharmacists and supplies officers in the region. By mutual arrangement the Regional Supplies Officers Committee nominated one of their members, who was then appointed by the Pharmacists Committee to perform, in his department, the large amount of administrative work necessitated by the scheme. As the Supplies Committee had already arranged several joint contracts for non-pharmaceutical items, it was decided that a discussion between pharmacists and supplies officers should take place to ensure that regional contracts for pharmaceutical and non-pharmaceutical items would always be dealt with by the appropriate body. It was agreed that supplies so far as regional contracts were concerned could be classified as follows:—

Group A.—Purely pharmaceutical items

for which joint contract arrangements must be made through the Regional Pharmacists Committee. The supplies officers could suggest to the Pharmacists Committee particular items that they might think suitable

for joint contract.

Group B.—Items which should be discussed with the Pharmacists Committee and its advice sought. Any joint contract entered into must be dealt with through the machinery of the Supplies Officers Committee.

Group C.—Items that are in some cases purchased and handled in the pharmaceutical department, but about which consultation with the several other departments concerned would be more appropriate. Joint contract arrangements must be dealt with through the Supplies Officers Com-

Group D.-Classes of commodities that are used and may be distributed by several departments in a hospital, and that in many instances could be purchased from a common source. Before considering a contract the matter should be discussed by the two Committees in order that total requirements could be collated to enable maximum advantage from joint contract-

Drugs Medical gases Transfusion equip-Containers (drugs) Closures (for above) ment Measures used for Reagents medicines Containers for re-Medicine droppers agents Eye droppers, un-Test and dines, etc. papers Medical disinfectants Throat brushes GROUP B

X-ray chemicals Labels, dispensing Dressing drums and Dressings sterilising equipment

filter

GROUP C

Syringes Rubber goods Needles Sutures Clinicals \*Surgical sundries Instruments S/S. and E.I. hollo-Appliances ware Laboratory glassware Packed cordials

GROUP D

Mono containers Cans, tinned iron. Pill boxes etc. Disinfectants

\* It was considered that purely surgical sundries should be classified under Group C, but there was clearly need for further definition as some items normally referred to under this heading might be considered druggists' sundries, and that a further discussion was needed on items covered by these two headings.

The above lists are not intended to be exhaustive and any necessary additions to the various groups will be made as required by agreement between the two Committees.

The agreement has now been ratified.



Over four years' usage in general medical practice throughout the world has established Chloromycetin as today's foremost broad spectrum antibiotic. Among the significant advantages that have placed Chloromycetin in this unrivalled position are its rapidity and effectiveness of absorption, swift consistent response, outstanding tissue diffusibility plus a remarkable flexibility of treatment to meet varying clinical conditions. Development of resistance to Chloromycetin by the common pathogens is extremely rare and the facility with which it is absorbed accounts for the low incidence of gastro-intestinal upset.

## CHLOROMYCETIN

THE ORIGINAL CHLORAMPHENICOL

CHLOROMYCETIN CAPSULES

SUSPENSION CHLOROMYCETIN PALMITATE

CHLOROMYCETIN OPHTHALMIC

CHLOROMYCETIN OPHTHALMIC DINTMENT

CHLOROMYCETIN CREAM 1%

CHLOROMYCETIN EAR DROPS 10%

CHLOROMYCETIN INTRAMUSCULAR

CHLORSTREPTIN CAPSULES

CHLOROMYCETIN TOPICAL

PARKE, DAVIS & COMPANY, LIMITED (Inc. U.S.A.) Hounslow, Middlesex. Tel: Hounslow 2361
and at Carfin Industrial Estate, Carfin, Lanarkshire. Telephone: Holycown 326/7



For Retailer, Wholesaler and Manufacturer
ESTABLISHED 1859

Published weekly at 28 Essex Street, Strand, London, W.C.2

TELEPHONE CENTRAL 6565
TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

#### A Handbook for the Veterinary Chemist

For over fifty years Veterinary Counter Practice has been established as an indispensable reference book for chemists having any sale for animal remedies. Its purpose was to provide the pharmacist with a valuable source of information on all matters relating to animal diseases and treatments. It was, indeed, the only book of its kind written expressly for chemists and trade manufacturers and dealing with the common diseases of animals, the approach to treatment and control, and the pharmaceutical formulations appropriately required for such purposes.

The traditions so well laid down have been maintained and developed in a new and modern version that appears this week under the revised title *The Chemist's Veterinary Handbook*.

In basic outline the new volume is similar to the old, but advances in veterinary science have brought about so many changes in recent years that a thorough revision of the text has been undertaken. As a result, the scope of the book is widened, and new chapters are included on modern methods of treatment and on the many new chemotherapeutic agents now used in the veterinary field.

The Handbook comprises thirty-six chapters. Of those the most extensive are the ones dealing with the diseases of horses, cattle, sheep, goats, pigs, rabbits, bees, poultry, dogs and cats. The nature and origin of the diseases affecting each animal are discussed in relation to symptoms and prognosis, modern methods of control, dosage, etc. Succeeding chapters deal with groups of drugs and the veterinary applications of the antibiotics, the sulphonamides, antibiotic feeds, antihistamines, anæsthetics, antiseptics, hormones, vitamins, vaccines and sera, insecticides, and sheep dips.

Interspersed throughout the book, as well as in one special section, are old and new formulas, provided for the guidance of the pharmacist and the manufacturer. There are also most useful lists of synonyms and proprietary names of veterinary drugs, with the names of their manufacturers.

The aim of this new *Handbook* is to provide the pharmacist with sound and up-to-date information on animal diseases and on all aspects of the use of drugs and pharmaceutical preparations in their control. The book will facilitate the work of the pharmacist in producing a great variety of preparations required in animal treatment, and in meeting the inquiries and requirements of the veterinary profession.

#### Trade Tenants Under Notice

ONE of the first problems to arise under the Landlord and Tenant Act, 1954, relates to the position of the tenant of business premises on whom notice was served before October 1, 1954 (the date on which the Act came into operation) to terminate tenancy at some time after that date.

On August 27, 1954, there came into force the Landlord and Tenant (Notices) Regulations, which provided the forms in which the various notices had to be served under the Act. Under those regulations the ordinary "notice to quit" is no longer of any effect. But, as the Act did not come into operation till October 1, 1954, what is the validity, first of notices served after those Regulations came into force; and secondly, of notices served before August 27, 1954?

The Act of 1954 expressly conferred power to make regulations that would have a quasi-restrospective effect. Under that power notices in the forms laid down by the Regulations are effective where given for a date after the date of operation of the 1954 Act. They are effective, even though they may have been served between August 27 and October 1, 1954.

If between those dates the landlord has served an ordinary notice to quit, to expire on or after October 1, 1954, the notice is invalid, or rather was rendered inoperative by the 1954 Act. A tenancy is still a tenancy, even though a notice to quit has been served in respect of it. If the tenancy was in existence on October 1, 1954, it is swept into the net of the Act, and the tenant obtains its protection, and it would appear to make no difference whether the notice was served before or after the Act was passed.

Not merely does the form of the notice matter. The Act provides in general that the tenancy may only be determined by between six and twelve months' notice. Two sets of rules have to be applied: the ordinary common law rules applicable to notices to quit, and the new statutory rules.

Any notice to quit served before October 1, 1954, to terminate a tenancy after that date, though it might have been a perfectly good notice under ordinary law, is inoperative under the new rules.

#### Labelled Vitamin B<sub>12</sub>

A STATEMENT from the Post-graduate Medical School of London over the signatures of Bradley, Lester Smith, Baker and Mollin (*Lancet*, 1954. 2. 477) recommended that Co<sup>58</sup> should, as supplies become available, replace Co<sup>50</sup> as the label for vitamin B<sub>12</sub> in clinical studies such as the extent of intestinal absorption of the vitamin. The reasons given were that Co<sup>58</sup> has a shorter half-life (seventy-two days against five years) and can therefore be used in larger amounts. The authors record tests showing that excretion of the two isotopes in the fæces is to all intents and purposes equal in percentage.

#### INFORMATION WANTED

The Editor would appreciate information about suppliers of the following items:

THERMATEX body belts
No-BUG insect powder
MORPENIN tablets
ROSEDALE hair lacquer
Duncan's bronchial pastilles

#### 250 years ago was born ROBERT JAMES, M.D.

of "fever powder" fame

By T. H. BISHOP, F.R.S.A.

HOUGH he received widespread publicity during his lifetime, the exact date of birth of Robert James is not known. Son of an army officer, he was born at Kinvaston, Staffordshire, in 1705, and was a fellow pupil of Samuel Johnson's at the grammar school at Lichfield. He continued his education at St. John's College, Oxford, obtained his B.A. degree in 1726, and became an extralicentiate of the College of Physicians of London in 1728, receiving his M.D. Cambridge by royal mandate in the same year. After practising in Lichfield, Sheffield, and Birmingham, James moved to London, living first at Southampton Street, Covent Garden, and later at Craven Street,

In 1743 he published the first volume of his Medicinal Dictionary . . . together with a History of Drugs, a work that was completed in three folio volumes. The dedication to Richard Mead was written by Dr. Johnson, who also wrote much of the main work. Johnson's part in the undertaking is discussed in a paper by Hazen<sup>1</sup>. The well-written Dictionary contained much of interest. Under the heading Chemia, for instance, we read:-

"Chemia. I shall always make use of Chymistry, as a word already received in the English language; though some, either out of an affectation of singularity, or too servile complaisance to the celebrated Boerhaave, or to the French, have lately called it Chemistry or Chemy; the last of which particularly appears to be a very trifling and idle Innovation.

The patent for the fever powder that made his name a household word was taken out by James on November 13, 1746, and the remedy received enormous publicity. Literary men seemed to go out of their way to extol its virtues. Fielding, Gray and Coleridge praised it. Horace Walpole was extravagant in his eulogies: his remark that he would take James's powder if his house were on fire is well known, and in a letter to the Rev. William Cole, who had excused himself from visiting Walpole on account of illness, he wrote:-

"you may be well in a night, if you will, by taking six grains of James's powder. He cannot cure death, but he can most complaints that are not mortal, or chronical."

In 1776 Richard Cumberland wrote an "Ode to Doctor Robert James " containing the lines:-

"O thou, to whom such healing power is giv'n, The delegate, as we believe, of heaven.'

Real advertising genius was shown by John Newbery, to whom James assigned the right of sale of his remedy, and who successfully combined publishing with drug vending. Newbery was a pioneer publisher of children's books, some of which he wrote himself. The famous Goody Two Shoes is ascribed sometimes to him and sometimes to Goldsmith. The author evidently had Newbery's interests at heart, for in the course of the story the death of Goody's father is recorded, the unfortunate man being

"seized with a violent Fever in a place where Dr. James's Powder was not to be had, and where he died miserably.

Mr. Newbery should have been born in the age of commercial television. If Goldsmith wrote the story, the mention of James's powder would have been in keeping with his faith in the remedy. In 1772 he obtained relief from stranguary by the powders, and henceforth credited them with almost magical powers. When he lay in his chamber at Brick Court during his fatal illness he took some of the powders against the advice of the apothecary attending him. The apothecary published his account of the affair<sup>2</sup> and

Newbery wrote to the newspapers in defence of the nostrum. Many eminent people took part in the controversy, which was summarised by Sir William Hale-White in the Lancet, 1929. i. 1229-32. Sir William concluded that Goldsmith's death from an undetermined illness was accelerated by antimony poisoning.

#### Patent Specification Details

- · The instructions in the patent specification read:
  - "Take antimony, calcine it with a continual protracted heat in a flat unglazed earthen vessel, adding to it from time to time a sufficient quantity of any animal oil and salt well dephlegmated; then boil it in melted nitre for a considerable time, and separate the powder from the nitre by dissolving

The first official substitute for the powder was introduced in the London Pharmacopæia of 1788. It was based on an analysis made by a pharmacist named Higgins, working in the laboratory of the Society of Apothecaries, Dr. Pearson, who reported on the powder in 1791, said it consisted of equal parts of oxide of antimony and phosphate of lime. One part of antimonious oxide and two parts of calcium phosphate were prescribed in the formula adopted in the British Pharmacopæias, in which the synonym "Dr. James's powder" was omitted.

Christison's Dispensatory, 1842, states

"No one can deny that the antimonial powder of the Pharmacopœia is an irregular preparation inferior in activity as well as certainty to the nostrum sold by Dr. James's representatives.

The prescription "Pulvis Jacobi Vera" was seen in fairly recent times.

In 1774 James patented an "analeptic pill" which combined the fever powder with pil. rufi and gum ammoniacum, the last two ingredients to be "dissolved in an underground cave furnished with the conductors of electrical fire." James wrote well, and was a good physician. Johnson said of him: "No man brought more mind to his profession." Pharmacopæia Universalis, 1752, contained many prescriptions in favour on the Continent. Like Mead, James wrote a Treatise on Canine Madness, in which he recommended mercury for hydrophobia.

It must be remembered that James was not alone among eighteenth-century practitioners in profiting by the sale of secret remedies, and the Goldsmith incident did not prevent his powder from being administered to George III in the early stages of his mania. Even after James's death, on March 23, 1776, Samuel Johnson remained loyal to his memory. Hazen refers to an advertisement in the London Chronicle of February 20, 1777, designed to counteract the activities of an unauthorised person who claimed to know the secret of the powders. The advertisement concluded with a typically Johnsonian paragraph in defence of his late friend. The great lexicographer, however, had no faith in James's compounded medicines, considering their ingredients "sometimes inefficacious and trifling, and sometimes heterogeneous and destructive of each other.

- 1. Hazen, A. T.: Samuel Johnson and Dr. Robert James. Bulletin of the

Institute of the History of Medicine, 1936, 4, 455-65,
2. Hawes, W.: An account of the late Dr. Goldsmith's illness as far as relates to the exhibition of Dr. James's powders, 1774.

Further References. Dictionary of National Biography, article on James.

Burr, C. W.: Dr. James and his medical dictionary.

Annals of Medical History, 1929, N.S.1, 180-190. Stine, L.: Dr. Robert James, 1705-76. Bulletin of the Medical Library Association, 1941. 29, 187-98.

#### PHARMACEUTICAL SOCIETY OF IRELAND

Council calls for support for "Fighting Fund"

THE urgent need for financial support for the pharmacists' "Fighting Fund" was again stressed at the January meeting of the Council of the Pharmaceutical Society of Ire-

land held in Dublin on January 11.

Mr. Costello (president) was in the chair. Other members of Council present were Messrs. P. F. McGrath (vicepresident), H. P. Corrigan (treasurer), J. Gleeson, T. B. O'Sullivan, A. McSweeney, A. A. Toher, F. J. Robinson, J. A. O'Rourke, G. C. O'Neill, F. Loughman, T. C. Scott, J. P. Kissane, J. J. O'Regan, D. J. Kennelly, P. Fullam and C. J. Cremen. Apologies for inability to attend were received from Messrs, N. A. McKane and C. D. O'Shea.

THE REGISTRAR reported that greetings had been received from the Archbishop of Dublin, the presidents of the Pharmaceutical Societies of Great Britain and Northern Ireland, the Pharmaceutical Council of Western Australia, the Pharmacy Board of Victoria, La Real Academia de Farmacia, Spain, the Colegios Oficiales de Farmaceuticos de Espana, the Irish Drug Association, the Garda Siochana. the Veterinary Medical Association of Ireland, the Editor of THE CHEMIST AND DRUGGIST, and the editors of three other journals serving pharmacy, and Mr. S. E. Campbell,

#### Elastic Hosiery Supply

The Department of Health had replied to a letter from the Council on the supply of elastic hosiery under the Health Acts to eligible persons insured under the Social Welfare Act, 1952. It said that the Minister was unable to vary the present interim arrangements, as inquiries to health authorities had not revealed any complaint by insured persons, who now received the appliances free. Continuing, the letter said that the money expended on elastic hosiery by insured persons during 1953 did not seem high relative to the number of chemists in the country. In conclusion, it stated that during the general review of the Health Services those matters would be considered in connection with any revision of the supply of appliances. Under the present arrangement it was mentioned that the Dublin Corporation had placed a contract with a Dublin firm, which supplied the hosiery to insured persons.

MR. KENNELLY said that in Britain chemists supplied medical appliances and chemists should be doing the same in Ireland. The people who trained chemists in England to fit trusses were willing to give a course of eight lectures to Irish chemists, assistants and students, and he thought that pharmacies lost a good deal of business if they did not undertake the work. After the lectures an examination was held by doctors, and certificates awarded. THE PRESIDENT said that that was something to keep in

mind for the future.

MR. KISSANE said it was a serious matter for chemists to lose even the sale of elastic hosiery since it meant another item included in combined purchases. Previously the doctor gave a certificate to the insured person, who took it to the chemist, and the patient received the elastic hosiery in five days, but now the order went to a local authority's centre, and the patient had to wait sometimes as long as eight weeks.

MR. McGrath said that Mr. Kissane's statement on the position in the country was very important, since it showed that a better service could be had through the chemist than through the local authority. He would like to have data

from all country chemists.

MR. O'ROURKE thought that chemists should follow Mr. Kennelly's excellent idea of having a course in truss fitting

for students, and MR. KISSANE agreed.

MR. TOHER said that he thought that local authorities would be glad to have such work as truss fitting taken over by the chemists, especially if trained.

THE PRESIDENT said that he believed that elastic hosiery and trusses were on the Department's combined purchases list, and an approach might be made through the county MR. McGrath mentioned that in Sligo the managers. county manager had agreed to have maternity parcels supplied through the chemists. In Galway the chemists were in touch with the county manager to have all Poor Law prescriptions put through the chemists at a special rate.

THE PRESIDENT said that it could be emphasised to the county managers that chemists could do a better job without costing the State or the ratepayers any more money. MR. McGRATH said that priced prescriptions were going back to the counties now and it was therefore an excellent time to contact the county managers. It was agreed to approach provincial members on those matters.

Mr. O'ROURKE suggested the Council should get a copy of the French national health code under which the people paid first for any benefits, and should study schemes used

in countries like France, Belgium and Spain.

An application was received from the International Pharmaceutical Federation for an increase in the Society's subscription, and THE PRESIDENT said that he would only recommend an increase if the Federation widened its activities to include legal assistance when members were defending their rights as pharmacists. The matter was deferred.

The following licentiates had their names changed in the Register on marriage: Mrs. E. Lynch (née Ryan); Mrs. T. Kiernan (née Ellis); Mrs. D. M. Leeman (née Young); Mrs. M. O'Riordan (née Lee); Mrs. M. Prendergast (née

Neavyn); Mrs. H. Reid (née Coffey).

The following, who submitted L.A.H. registrations, were registered as pharmaceutical chemists: Drs. D. J. Meagher, Mary P. Mulvany, Isabella P. Farrell, J. D. Curran and D. M. Nagle.

The following changes of address were notified:

Mrs. D. Leeman, L.P.S.I., to 48 Brentmead Gardens, London, N.W.10; Mr. M. O'Riordan, L.P.S.I., to 2 Botanic Road, Glasnevin, Dublin; Mrs. H. Reid, L.P.S.I., to Main Street, Schull, co. Cork; Dr. Gertrude Treacy, M.P.S.I., to Briar Hill, Church Road, Killiney, co. Dublin; Miss A. R. Maguire, L.P.S.I., to 11 Marine Avenue, Sandycove, co. Dublin; Mrs. C. Molloy, L.P.S.I., to Clover Hill, Ballaghadereen, co. Roscommon; Messrs. T. F. Fitzmaurice, M.P.S.I., to Clonkeen Road, Dean's Grange, co. Dublin; J. J. de Loughry, L.P.S.I., to 15 Pearse Street, Nenagh, co. Tipperary; P. Doherty, M.P.S.I., to 33 Davis Street, Limerick; H. McElhinney, dispensing chemist and druggist, to 50 Upper Main Street, Letterkenny, co. Donegal; J. C. Ryan, L.P.S.I., to 199 Crumlin Road, Dublin.

The reports of the House, Law, and Schools Committee were submitted and approved.

#### Fighting Fund Progress

In a discussion on the progress of the Fighting Fund, THE PRESIDENT said it should be made known to the members and licentiates that the Fund covered not only the High Court case, but also the heavy cost of legal representation before the Fair Trade Commission. Legal costs had been very heavy because of the prolonged hearing before the Commission, and he appealed to pharmacists all over the country to give financial support to the Fund.

Mr. O'ROURKE said that the daily Press reports seemed to be giving everything unfavourable to the chemist, and little of the evidence in favour. Newspapers, he said, should have regard to the principles of justice and prudence. THE PRESIDENT: I was there and I could not agree more with

MR. O'NEILL said that he was convinced that chemists as a body would give their fullest support to the Fighting Fund, especially in view of the seriousness of the situation, and Mr. Kissane said that a circular should be sent down the country to let chemists know the full facts and

the cost of the fight being waged on chemists' behalf. MR. KENNELLY (treasurer of the Fund) made a report to the Council on the progress of the Fund and it was agreed that local associations throughout the country should be asked to hold meetings in support of the Fund.

Regarding the pharmacists who suffered in the Dublin floods, the Council expressed its appreciation of the offer of assistance made by the Pharmaceutical Society of Great Britain.

THE REGISTRAR reported on the deaths of Messrs. John J. Connolly, L.P.S.I., and James Browne, registered druggist.

#### Membership Changes

The following were elected members of the Society: Messrs. James Keane and Thomas F. Fitzmaurice, and Misses Margaret McGuiness, Mary M. Tierney and Alice White. Nominations for membership were passed for Messrs, William D. Broderick, 7 William Street, Listowel; Cailin Conefrey, 136 Pearse Street, Dublin; James D. Curran, 1 Sundrive Road, Kimmage, Dublin; Donal J. Meagher, 6 Maretimo Gardens West, Blackrock, co. Dublin; John G. McHugh, Tullamore, Offaly; John C. Ryan, 199 Crumlin Road, Dublin; James J. Gannon, 1 Coote Terrace, Portlaoighise; William P. J. Gannon, 1 Coote Terrace, Portlaoighise; James J. Malone, Orchard House, Chapelizod, co. Dublin, and Dr. Mary P. Mulvany, 282 Clontarf Road, Dublin.

At the close of the business on the agenda the Council went into committee to consider the text of the proposed Pharmacy Bill, and a meeting of the Benevolent Fund Committee passed for payment a number of grants.

#### PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

Monthly Meeting of Council

AT a meeting of the Council of the Pharmaceutical Society of Northern Ireland, held in Belfast recently, the president (Mr. W. P. Ewart) in the chair, it was announced that the Ministry of Agriculture for Northern Ireland intends to bring the Agriculture (Poisson 1987). to bring the Agriculture (Poisonous Substances) Regula-tions, 1954, into operation at an early stage. In a letter to the Society, the Ministry stated that since 1953 regulations had been in force in Great Britain for the protection of employees in nurseries and orchards against risk of poisoning by certain substances used in agriculture. The regulations were amended in 1954. It was proposed to provide similar protection for workers in Northern Ireland and to that end the Agriculture (Poisonous Substances) Act (Northern Ireland) 1954 had been passed and it would come into operation on such date as the Minister might appoint.

#### Examiners' Report

THE SECRETARY (Mr. William Gorman) presented the report of the board of examiners on the Society's December 1954 examinations which showed that eighty-four candidates entered for the Final Part I, of whom thirtyfour had passed, twenty-five failed, four were absent, eight were referred in biology and thirteen in chemistry. In the Final Part II, fifty-four candidates entered, twenty-one of whom passed, sixteen failed, four were absent, one was referred in pharmaceutics, one in pharmacognosy, nine in chemistry and two in physiology.

The Council approved a recommendation of the Education Committee to grant certificates of apprenticeship to Mary Teresa Donnelly, Omagh, and Richard Joseph Walls, Warrenpoint. It was agreed on the motion of Mr. W. H. Boyd, seconded by Mr. J. McGregor, that the names of members, associates and students of the Society who had not religible to recent for for 1054 should be who had not paid the retention fee for 1954 should be removed from the appropriate Registers.

THE PRESIDENT referred to the success of the Benevolent Fund dance, which, he said, had raised over £100. He paid tribute to the work of Mr. G. E. McIlhagger and the committee responsible for its organisation.

#### CORRESPONDENCE

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

#### THE TITLE "CHEMIST"

SIR,—The title "chemist," as used by pharmacists, is a complete misnomer. Your correspondent Bernard Gill (C. & D., January 15, p. 66), writes "for it is ours by use and wont." That is perfectly true, but the title "chemist" should be reserved for those persons who have had a thorough training in chemistry and that cannot be said for the pharmacist who spreads his learning over a much wider field. In Northern Ireland the chemistry required for the final qualifying examination hardly approaches that of a the final qualifying examination hardly approaches that of a Cambridge Entrance Scholarship. The standard of the final pharmaceutical chemistry examination in Great Britain is admittedly of a higher standard than that, but definitely not of such a standard that a Fellow of the Pharmaceutical Society should call himself "chemist" any more than he should be called a physiologist or botanist. The fact that pharmacists are generally known as chemists by the public is no reason why the error should be perpetuated. Surely it is morally wrong to use a title which has not been warranted by the training received.

DUNDONALD, CO. DOWN. JOHN K. TIZARD, B.SC., M.P.S.N.I. NORTHERN IRELAND

#### DRESSINGS GALORE

SIR,—For the second time within a few weeks a doctor has been ordered by an Executive Council to refund the cost of dressings prescribed in excess of requirements, and has been mulcted in a considerable sum. The dressings were, in fact, not used by the patients for surgical pur-poses. Absorbent wool was employed to stuff cushions, and lint was dyed and sold to make curtains and cushion covers. The chemists who dispensed the prescriptions acted in a perfectly legal manner. "Theirs not to reason why" such large quantities of dressings were being ordered; they were carrying out their terms of service in supplying what was prescribed on EC10. Yet one cannot help wondering whether they had not some moral responsibility in the whether they had not some informations as to the need for those enormous supplies (the lint in one case amounted to  $72\frac{1}{2}$  lb.) would not have come amiss. Of course the supplies may have been spread over many contractors. One thing is certaint it is in the chamical property that the days fund. tain: it is in the chemist's interest that the drug fund—assuming an attitude on the part of the Government that the cost of drugs to the nation should not exceed a certain figure—should remain solvent; "uncontrolled and irresponsible prescribing" concerns him nearly, and it is inexpedient that he should be involved in it. CAMBRIDGE BERNARD GILL

FIFTY YEARS AGO

#### LOCAL AUTHORITIES AND DRUGS

From the C. & D., January 21, 1905

THE responsibilities of local authorities charged with the administration of the Sale of Food and Drugs Acts are probably the most onerous that fall to their lot, because, on the one hand, the duties of the authorities to the public must be diligently performed, and, on the other hand, the reputation of those engaged in the sale of food and drugs has to be safeguarded against the possible endeavour of executive officers to manifest their zeal by energetic but ill-considered action. We must say that up to the present the authorities . . . have very frequently concentrated their efforts to securing convictions under the Acts, and this is never better exemplified than when inspectors and public analysts, like a flock of sheep, run after some leader who has "spotted" an article which is easily analysed . . . and as easily condemned. . . Conviction is particularly serious in the case of medicines, for customers avoid the shops of those who have been condemned as sellers of bad drugs. Local authorities should therefore take special care before authorising proceedings in regard to drugs.

FIVE YEAR PLAN. - A systematic study of Chinese botanicals that are used in medicine has been started by the China Pharmaceutical Society in a plan to standardise some 300 drugs within the next five years.

## A MODERN COURSE OF PHOTOGRAPHIC STUDIES

By

H. BAINES, D.Sc., F.R.I.C., F.I.B.P., HON. F.R.P.S.

#### 10. SUBSTANDARD CINE CAMERAS AND FILMS

By Mortimer Shapley

By virtue of the phenomenon of persistence of vision, the projection in rapid sequence of a series of individual still pictures on to a screen, each picture showing a slight displacement relative to its neighbours, produces the illusion of continuous movement. The minimum frequency of projection which produces that effect, without flicker, is about twelve per second.

A CINE CAMERA is a device for photographing such a series of pictures, each called a "frame," on to a strip of film, at a rate of more than twelve frames per second (f.p.s.). The normal speed of substandard cine cameras producing silent films is sixteen f.p.s. For 16-mm. or 9.5-mm. cameras taking

sound films it is twenty-four f.p.s.

A CINE PROJECTOR is an apparatus for projecting the series in succession, usually at a similar frequency. If the projecting frequency is the same as the taking frequency the rate of apparent movement on the screen is that of the original subject. If it is greater than the taking frequency, the apparent movement is faster—if less, slower—than the original rate of movement. The latter characteristic is sometimes used by amateur workers, who expose at thirty-two or sixty-four f.p.s. and project at normal speed in order to obtain slow-motion effects. But both characterisitics are used by scientific workers in time-lapse and high-speed (very slow-motion) cinematography.

#### Cine Cameras

A cine camera is essentially a still camera with the addition of a mechanism for producing exposures in rapid succession on to adjacent frames of film. The mechanism serves the purpose of driving the film from one part of the camera, through a channel, or "gate," in the focal plane, in which it is held stationary for the exposure, onwards to another part of the camera. The mechanism also synchronously actuates a shutter which allows the image coming through the lens to fall on to the film only when it is stationary in the gate, and prevents such exposure while the film is in motion.

Cine cameras vary in many ways, the most important being the size of the film they use, and whether they are designed to produce silent or sound films. The width of standard cine film, as used in the cinema, is 35 mm. Of the three substandard or narrow-gauge cine films with which this article is concerned, both the 16-mm. and 9.5-mm. sizes may be obtained as silent or sound film, the remaining size, 8-mm., being obtainable only in the silent form. The choice of size depends largely upon economic

considerations and the potential use to which the camera is to be put. Many semi-professional and some professional cine films are now taken with 16-mm. cameras, and, if the work to be undertaken is of a really serious nature, that size is to be recommended. For the more amateur use, however, the 16-mm. size is inclined to be expensive, and the cheaper 9.5 and 8-mm. sizes are adequate for all normal work

Another difference is whether the film is provided and used in daylight-loading magazines, sometimes called cassettes, or on daylight-loading spools. The 9.5-mm. film is available only in cassettes, but the 8- and 16-mm. sizes may be obtained both in magazine and in spool form. The spool form is always cheaper, but the film has to be "threaded" through the mechanism. With magazines or cassettes no threading is required, and they may be removed from the camera at any time and replaced when required without wasting film. The operation may be repeated as often as is necessary.

All cameras, of whatever size, include some means of showing on a gauge the amount of film remaining in the camera and still to be exposed—or conversely the amount

that has already been exposed.

The standard frame sizes, as produced in the camera by the exposure in the gate, are as follows:—

16-mm. silent or sound: 10.41 x 7.47 mm.

9.5-mm. silent: 8.50 x 6.50 mm. sound: 7.20 x 6.17 mm.

8-mm. silent: 4.80 x 3.51 mm.
On projection, each of those sizes is masked down slightly by the aperture of the gate in the projector.

#### Lens and View-finder

The lens, as fitted to most cine cameras, is usually of a standard focal length according to the size of film it takes. For the 16-mm. cameras the standard is generally 25 mm.; for the 9.5-mm. cameras 20 mm.; and for 8-mm. cameras 12.5 mm. Those standard focal lengths provide a field of view that is roughly the same for all three, and which is considerably less, both horizontally and vertically, than the field generally accepted as standard in still cameras. That restricted field has the advantage that the covering power of the lens is usually good, as only the most central part of its field is used, and the narrower angle is pleasing and more subjective.

Many cine cameras, particularly those in the higher price range, allow for the use of interchangeable lenses. On some cameras that is accomplished simply by unscrewing the original lens and inserting another, but in others the camera is fitted with a turret. The turret is a means of allowing two, three or even more lenses to be accommodated on the camera, each to be brought into use as required, usually by a rotating or sliding movement. As with still cameras, the use of lenses of longer or shorter focal length than standard is an advantage for specific subjects. Long-focus or telephoto lenses are used to obtain an enlarged image, usually of a distant subject, while short-focus or wide-angle lenses are used to increase the angle of view so that a wider field may be recorded on the film.

Because of the relatively short focal lengths of most of the lenses used on cine cameras, the depth of field is comparatively large. That makes it quite practicable to incorporate fixed-focus lenses in the less expensive cameras, the subject being in sufficiently sharp focus at any distance beyond a figure specified for the lens. At distances less than that specified, a portrait attachment should be used.

A second advantage of short-focus lenses is that lenses of large aperture are easier and cheaper to construct. Almost without exception substandard cine-camera lenses have a value of f/3.5 or larger, and the smallest aperture to which most lenses may be stopped-down is f/16. The normal means of varying the exposure to suit a given combination of film, subject, lighting, etc., is by opening or closing the iris diaphragm to give a larger or smaller aperture. It must be appreciated that the normal standard speed

of sixteen or twenty-four f.p.s. should not normally be varied to provide different exposure conditions. The film manufacturers provide several types of film so that for any particular class of work one can shoose that which is most suitable. More detail on this subject is given below under the heading of Films.

The actual exposure time of each frame at sixteen f.p.s. is usually between 1/30 and 1/40 of a second, and the mean figure of 1/35 sec. can normally be taken for the calculation of exposure by meter, calculator or tables.

The view-finder normally provided in most cine cameras is of the enclosed, direct-vision, optical type. There are other kinds (e.g., those incorporated in the carrying handles of cameras), but the internal type is now most common. Many view-finders show a larger field than that which the camera records, which is defined by an internal frame. The frame assists in the shooting of certain subjects, particularly sporting or other rapidly moving events. In the use of the view-finder, especially when the subject is relatively close to the camera, there arises the bugbear of parallax. That is the lack of coincidence between the axis of the taking lens and the axis of the view-finder optical system. It is obvious that the two axes cannot be coincident, and it is because they are not that so many heads are "cut-off" in cine films taken at close range, when the view-finder is above the lens. However, on many cameras some allowance is made for parallax by the inclusion in the view-finder of a framing line which, at a certain specified distance of subject, should be used to indicate the top of the subject as it will be recorded. An even more elaborate means of providing parallax compensation is included in some of the more expensive cameras: in these the axis of the view-finder optical system ean be tilted so that at any specified near distance it meets the axis of the camera taking lens.

In order to accommodate lenses of a focal length different from the standard, some view-finders incorporate masks or include engraved rectangles marked according to the lens with which they should be used.

#### Drive and Shutter

The mechanism of a cine camera usually takes up by far the greatest bulk and has as its main objective the driving of the film through the gate, the halting of each frame momentarily in the gate while it is exposed, and the operating of a shutter, which allows the image passing through the lens to fall upon the film only while it is stationary. It follows that, for the proper working of a cine camera, those functions of the mechanism must be properly synchronised. The motive force used may be either a clockwork motor, which is most usual, or an electric motor operating either from the mains or from batteries. In either case, the drive must be fitted with an efficient governor which limits the speed to that required irrespective of the degree of winding of the spring or the voltage variation. Some of the clockwork cameras incorporate a bell or other audible warning which indicates when the motor is not providing enough power to give the required speed.

With the spool-type cameras the film is drawn from the supply spool at a steady rate by a feed sprocket, the teeth of which engage in the perforations of the film. Next, a loop is formed in the film which is taken through the gate to the focal plane where the exposure of each frame in turn takes place. Then on through another loop, and via a take-up sprocket the film is wound on to the take-up spool. In the gate the film passes in an intermittent stopand-start motion which is imparted by a claw or similar mechanism. The claw, usually a double claw for the 16-mm. size, or a single claw for the 9.5- and 8-mm. sizes, engages in the perforations of the film and pulls it down, frame by frame, into the correct position for exposure. Each frame is exposed while the claw, having disengaged, is rising to engage in the next perforations on the film. The up-anddown action of the pulling-down claw mechanism is generally controlled by an eccentric mechanical contrivance, and it is largely upon the efficiency of the contrivance that the cine camera is dependent. To stop and start the whole film, say, sixteen times per second is impracticable, and only that part of the film between the two loops is stopped and restarted while the remainder of the film on the supply and take-up spools runs continuously. The loops in the film are made in the initial threading of the camera, or automatically provided in the case of magazines. In magazine cameras the mechanism is so designed that the film is brought into the correct position automatically; no threading is required.

The shutter most frequently used is that which takes the form of a wheel, having an opaque sector of the order of 180-190°; but other, reciprocating types have been used wherein a slide, having an aperture, oscillates across a stationary second aperture, the exposure being made when the two openings coincide.

#### Films

The base of the substandard cine film, as produced by the manufacturers in this country, is always of the "safety" type. That means that it is not made of a highly inflammable material, such as cellulose nitrate (celluloid), as was standard 35-mm. motion-picture film prior to about 1951. By virtue of its safety base, substandard cine film does not come within the various strict prohibitions and regulations that govern the use of highly inflammable bases.

On 16-mm, silent film the perforations are symmetrical on both edges of the film, and in line with the boundary between two adjacent frames. On 16-mm, sound film they are placed similarly, but on one edge only. On 9-5-mm, silent and sound film the perforations are centrally placed, between the frames. On 8-mm, silent film they are placed only on one edge of the film, each perforation coming in line with the boundary between two adjacent frames.

The maximum length of film accommodated by most 16-mm. cameras is 50, 100 or 200 ft. Most 9.5 mm. cameras accommodate 30, 50 or 100 ft. Almost without exception the 8-mm. cameras accommodate 25 ft. of what is known as "double-run" film. That film, as received from the manufacturer, is a special form of film, 16 mm. in width, which is run through the camera twice, first exposing one half-width and then when the total length of 25 ft. has been exposed, reversing it and exposing the other half-width. The film is then slit by the manufacturer after processing and joined end to end to produce 50 ft. of 8-mm. film for projection.

An important point that must be considered in the selection of a film is that exposure control is effected normally only by variation of the lens aperture, and not, as with still pictures, by the combination of lens aperture and shutter speed. All black-and-white cine films are panchromatic

All films, of whatever speed and size, and particularly those on spools, should be loaded into the camera with care, and always in the shade. Daylight loading of spools is made possible by the provision of a "leader" and "trailer" of opaque film, which prevent light from reaching the light sensitive film during loading and unloading, respectively.

Substandard films are made specifically for either of two processing techniques. The film may be processed by the reversal technique to give a positive, or it may be developed to give a negative from which multiple positive films may be printed.

#### Reversal

The cine film that most concerns amateur users is the reversal type, its processing usually being undertaken by the manufacturer, and returned in positive form immediately ready for projection. The great advantage of this type is the economy effected by the use of only one film; if further copies are required, they must be made, again by a reversal process, from the original positive. That, however, is un-

#### SPECIAL OFFERS

#### RAUWOLFIA SERPENTINA (BENTH) ALKALOID CONCENTRATES

We are able to offer a wide range of alkaloid Concentrates, confirmed by independent assay, and can guarantee continuity of supply and uniformity of quality:

> 6–8% Total alkaloids 55–60% Total alkaloids 70–75% Total alkaloids 80–85% Total alkaloids

(The Reserpine content is about 6-8% of the total alkaloids present.)

Also available are the alkaloid dry extracts of Rauwolfia Canescens and Rauwolfia Micrantha.

#### RESERPINE PURE CRYST.

#### INTRINSIC FACTOR

With or without the addition of Vitamin B.12.

- 1. INTRINSIC FACTOR CONCENTRATE with Vitamin B.12.
- 1 U.S.P. unit (oral) is equivalent to 50 milligrams of standardised powdered Intrinsic Factor combined with 15 micrograms of crystalline Vitamin B.12.
- 2. INTRINSIC FACTOR CONCENTRATE as above but without Vitamin B.12.

**RUTIN CRUDE 85/90% PURE** 

RUTIN PURE N.F.

(Guaranteed of Commonwealth Origin.)

**AESCULIN CRUDE 50%** 

Fuller information on request

#### BIDDLE, SAWYER & CO. LTD.

LONDON, W.1 GRAFTON STREET,

Telephone: Hyde Park 0521

Cables: Bidsawya, London.

Telegrams: Bidsawya, Piccy, London

INTERNATIONAL TELEX NOS. LONDON 8266, 8267

PARIS . NEW YORK . Associated companies and offices throughout the world

BOMBAY : BUENOS AIRES : RIO DE JANEIRO : JOHANNESBURG : FRANKFURT : HONG KONG



lovely old soap...

made and presented for to-day's discriminating customer

★ John Roberts first made his Brown Windsor Soap in 1820: during the Nineteenth Century its popularity spread from Windsor to all the Courts of Europe. To-day, with freedom again to purchase the finest materials, it is possible to offer this lovely soap made to the original formula and presented in a manner both pleasing to the present and reminiscent of the past.

May we send you a Trial Parcel?

#### TRIAL PARCEL

1 dozen boxes of the Toilet Tablets (Retail 3/- per box)

6 boxes of the Bath Disks (Retail 6/- per box) will be sent carriage paid at list price

## BRO

IN TOILET TABLET OR BATH DISK



ROBERTS WINDSOR SOAP CO. LTD. ESTABLISHED IN WINDSOR SINCE THE TIME OF THE REGENCY

likely to concern many amateur users. Another inherent feature of reversal film is the rather more limited exposure "latitude"—the ability to produce a reasonable result over a range of exposure values—by comparison with normal negative materials.

The majority of cine-film manufacturers include in the price of their reversal film the charge for processing and for

returning the positive to the user.

Within the category of reversal film comes colour film which, like the black-and-white film described above, is exposed in the camera and processed by the manufacturer, but is returned to the user in full-colour positive form. Such films are in general of considerably lower speed than the normal black-and-white varieties and, as the latitude is less than that given by other reversal films, the exposure recommendations of the manufacturer should be followed carefully.

Most reversal cine films have a black backing to the support. It obviates halation and, in spool-loaded films, helps to prevent light from finding its way into the main body of film when loading or unloading.

#### Negative and Positive

Where several positive copies of a film are required, it may be considered advantageous to use a negative-type film. As its name implies, that is exposed and processed to produce a negative, similar to that given by the normal still-picture technique. The negative is then printed in a machine, either by contact or by projection, on to a slow, and usually only blue-sensitive, positive-type film suitable for projection. By that method as many copies as are required can be printed from one negative, and the procedure is to be recommended from the economic standpoint for obtaining a number of copies. Most of the larger manufacturers produce negative and positive films, but they are used principally for professional and semi-professional productions, and most usually in the 16-mm. size. The processing, both of the negatives and the positives, is generally undertaken by commercial motion-picture film-processing laboratories, of which there are many.

#### Sound

There are available, both in 16-mm, and 9.5-mm, sizes, cameras that can be used to record the sound at the same time as the image. That result is achieved by the use of a special film, on one side of which is recorded a sound track. In the 16-mm. size that necessitates use of a film with perforations down one side only to allow sufficient space for the sound track on the other, and both camera and projector must be designed so that the film is driven only by action upon that side having perforations. The sound track, as recorded in the camera, can be of the variable-density type, where the variation in density of a sound track of constant width, as received by the sound head in the projector, is analysed and interpreted into sound. Another system which, like the variable-density, uses the original photographic emulsion to record the track, is the variable-area type. This involves the use of the same type of sound head in the projector, but the modulation of the sound is given by the variation in shape of a wave-like opaque track on a clear background.

#### Further Data

The following table shows the relationship between footage of film, number of frames, and times for four different camera speeds (in frames per second), for the three widths of substandard cine film:—

FOOTAGE TIMES FOR 16-mm. AND 9.5-mm. FILM (For 8-mm. film, double the number of frames and times for the same number of feet).

Feet of film	Frames	Time at 16 f.p.s.	Time at 24 f.p.s.	Time at 32 f.p.s.	Time at 64 f.p.s.
1	40	$2\frac{1}{2}$ sec.	$1\frac{2}{3}$ sec.	1 4 sec.	§ sec.
2	80	5 ,,	31,	$2\frac{1}{2}$ ,,	11/4 ,,
3	120	7½ ,,	5 ,,	34 ,,	17 ,,
4	160	10 ,,	63, ,,	5 ,,	$2\frac{1}{2}$ ,,
5	200	12½ ,,	81,,	61 ,,	31/8 ,,
10	400	25 ,,	$16\frac{2}{3}$ ,,	$12\frac{1}{2}$ ,,	64 ,,
100	4000	4 min.	2 min.	2 min.	1 min.
		10 sec.	47 sec.	5 sec.	2 sec.

## A Chartered Accountant gives answers to ANY BUSINESS QUESTIONS?

If an employee paid weekly leaves an employment before his annual holiday, is he entitled to holiday pay? What would be the position if I went out of business? CONDITIONS of holiday pay have been agreed by the National Joint Industrial Council for Retail Pharmacy, and members of bodies subject to that agreement are bound thereby. Ordinary service agreements are not otherwise often reduced to writing, but it cannot be too often urged that they should be, even though in the simplest manner. Reference should be made in them to the point in question. Where the national agreement has no application, there would be in all probability no right to any holiday pay if the employment ends before annual holidays are taken, though the correct reply can only be given on consideration of all the facts and terms of contract, implied or otherwise. If the business were disposed of the remarks already made would equally apply. If the business were to be wound up, a claim from the employee would lie if there existed an agreement in support of it, but there would not appear to be any right of preference.

A hire-purchase agreement in respect of my delivery van makes no reference to interest, but shows the balance owing after payment of the cash down, and indicates how that balance is payable by me. What is the correct capital cost of the van? Does it include the interest? If not, can I charge the interest as an expense in my accounts?

Interest under such an agreement is payable without deduction of tax, and is therefore allowable as a charge for income-tax purposes. The actual amount of interest is

easily calculated by subtracting the cash price of the vehicle from the total of the deposit paid and the balance payable under the agreement by instalments. Usually the interest is spread evenly over the period of the hire-purchase agreement, charging the accounts falling into that period. The procedure is admittedly not strictly correct, as it does not take into account that the early payments are mainly composed of interest and the later ones mainly of capital. It is nevertheless a serviceable method. The true capital cost of the van is accordingly the cash cost.

Two years ago I had a deed of covenant drawn up under which an annual sum was (after deduction of income tax at the standard rate) payable to my mother for a period of seven years. I now wish to increase the annual sum. Can I incorporate the increase in the original deed, or vary it in some way under correspondence?

The salient point here (and it must be very carefully noted) is that yearly payments under a deed must have the nature of a constant element for a period that can exceed six years. It may be that no specific sum is actually set forth. If the annual sums payable under the disposition are amounts that differ from year to year, only the smallest of them may be regarded as payable throughout the period. It would be accordingly advisable to enter into an additional deed to provide for the effective transfer of an increased sum capable of being regarded as income in the hands of your mother. To avoid the keeping in existence of two deeds, a new document could be drawn up incorporating the higher sum.

#### TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, JANUARY 19: Trading in all markets was again at a low level but because of the short supplies of many CRUDE DRUGS both here and at origin prices were firmly held.

After many weeks' absence of interest in Formosan CAMPHOR and European STRAMONIUM, parcels have been offered for shipment. The lower offers for Gum Acacia of last week have brought in some business, and prices have tended to rise, both on the spot and at origin. The same position has and at origin. The same position has obtained with Jamaican GINGER though the African variety fell by 7s, 6d. per cwt. PERU BALSAM, now landed, is offered at 12s, 6d. per lb. A sharp advance has taken place in GENTIAN, with spot holders asking 15s. a cwt. above recent values. The loweroffers now range between 7s. 3d. and 9s. 3d. per lb., duty paid. The duty-paid price of MENTHOL has remained steady around 60s. per lb., but an unusual development has been that the in-bond price was also at that figure. That situation has been brought about by the fact that most, if not all, of the business was for export. The whole of the RAUWOLFIA shipped from Tuticorin during December 1954 was destined for the United States; it amounted to sixty bags of R. serpentina and 200 of R. Canescens, making a total of 13 tons. More root is expected to be shipped to all destinations from March onwards; meanwhile an all-India medical conference, held in Lucknow recently, has urged the Indian Government to encourage cultivation of R. serpentina. Tinnevelly SENNA shipments from Tuticorin during December 1954 are shown in the following table:-

	U.K.	U.S.	Europe
Leaves Pods	Bales 54 5	Bales 100	Bales 387 135

SHELLAC has remained steady at previous levels. Total shipments from India during December 1954 showed a substantial rise over the previous month with the United Kingdom again the largest buyer, taking 8,269 packages (of two Calcutta maunds) against 23,063 (18,567). The United States bought 2,956 packages (2,010) and the Continent 5,947 (4,215).

No price changes took place in PHARMACEUTICAL CHEMICALS during the week, but a manufacturer of ASCORBIC ACID has notified a 10s. per kilo reduction to take effect on January 31.

In ESSENTIAL OILS, CASSIA was 2s. per lb. higher on the spot, but that figure was still one shilling under the shipment quotation. The Italian consortium for BERGAMOT has lowered its prices, the new price showing a reduction of 12s. 6d. a lb. in spot material. Ceylon CITRONELLA and East Indian LEMONGRASS was easier by threepence per lb., whilst Penang PATCHOULI was 2s. per lb. lower. There were only

minor adjustments in the Chinese and Brazilian PEPPERMINT oils, with little business passing.

The higher freight rates announced by many leading shipping associations (see p. 79) will inevitably lead to dearer imports and exports.

#### Pharmaceutical Chemicals

AMIDOPYRIN. — Price per lb. is from 23s. 6d. to 25s. as to quantity.

ASPIRIN.—Prices are as follows:—5-cwt. lots, 4s. 6d. per lb.; 1-cwt., 4s.  $6\frac{1}{2}$ d.; 28-lb., and under 1-cwt., 5s. 4d.

ATROPINE. — Rates (per oz.) for 16-oz. lots are: alkaloid, 30s, 9d.; sulphate, 25s. 9d.; methylbromide, 31s. 9d.; methylnitrate, 36s. 9d. The price for 1-oz. lots is 6d. per oz. more than the 16-oz. lots.

BENTONITE.—Offers of B.P. material are about £70 per ton as to quantity.

BENZAMINE.—In 16-oz. lots, Lactate is is. 3d. per oz. and Hydrochloride, 15s. 3d. per oz. 16s. 3d. per oz.

BENZOCAINE.—Minimum price for B.P. is 20s. 6d. per lb.

BISMUTH SALTS .- The following are the prices (per lb.) in largest bulk packages:-

	1-cwt.	28-lb.	7-lb.
CARBONATE SALICYLATE SUBGALLATE SUBNITRATE	s. d.	s. d.	s. d.
	23 5	23 8	27 5
	22 6	22 9	26 4
	21 8	21 11	25 6
	20 11	21 2	24 4

2-cwt. lots are 3d. per lb. less than the 1-cwt. rates. The present 1-cwt. rates for other salts are:—CITRATE, B.P.C., 22s. 8d.; NITRATE, crystal, 14s. 8d.; OXIDE, B.P.C., 27s. 7d.; OXYCHLORIDE, B.P., 27s. 9d.; OXYIODOGALLATE, B.P.C., 28s. 9d. and TRIBROMPHENATE, B.P.C., 26s. 9d.

BUTOBARBITONE.—B.P.C. is 70s. per lb. in 1-cwt. lots.

CAFFEINE.—For 1-cwt. lots, Alkaloid, B.P. is 26s. 6d. per 1b.; anhydrous alkaloid, 27s. 6d.; and citrate, 16s. 3d.

CALAMINE.—1-cwt. lots are 1s. 7d. pcr lb.; 10-cwt., 1s.  $5\frac{1}{2}$ d.

CARMINE,—1-cwt. lots are about 130s. per lb., nominal.

CHLORAL HYDRATE. - In 1-cwt. lots the price is from 3s. 10d. per lb. as to holder. CHLORBUTOL.—28-lb. lots are at the rate of 10s. per lb.

Chloroform.—1-cwt. lots in winchesters are 3s. 6d. per lb.; 56-lb., 3s.  $6\frac{1}{2}$ d. In drums, prices are 3s. 4d. and 3s.  $4\frac{1}{2}$ d.

CITRATES.—Rates (per lb.) are as follows:—Potassium, 1-cwt. lots, 3s. 6\frac{1}{2}d.; 28-lb., 4s. 6d.; Sodium, 1-cwt., 2s. 11\frac{1}{2}d.; 28-lb., 3s. 10d. (powder of both salts two-pence more). Iron and Ammonium, 1-cwt. lots, 3s. 10\frac{1}{2}d. granulated, 4s. 2\frac{1}{2}d. scales.

CITRIC ACID.—Quotations (per cwt.) for domestic material are 205s, for 1—4-cwt. lots and 200s. for 5-cwt. lots.

CREAM OF TARTAR.—Rates for the home trade are now as follows:—1-ton lots, 191s. per cwt.; 10-cwt., 192s.; 5—9-cwt., 193s.; 2—4-cwt., 194s.; 1-cwt., 195s.

CREOSOTE.—B.P. quality ex beechwood, is quoted at from 6s, 9d. to 7s, 6d. per lb. Cresol.—Price of B.P. quality from distillers is 7s. 9d. per gall. in 5-gall. lots.

CYCLOBARBITONE.—B.P.C. and CALCIUM DERIVATIVES in 1-cwt. lots are 65s. per 1b.

ERGOTOXINE ETHANESULPHONATE.—Price er gm. for B.P.C. (1949) is 1 gm., 125s.; 10 gm., 115s.

HYDROQUINONE.—Quotations for 1-cwt. lots are 10s. 6d. per lb. For smaller quantities, viz.. 28-lb., 10s. 9d.; 14-lb., 11s. 6d.; 7-lb., 12s.

Lacrose.—English, in 1-ton lots packed in 1-cwt. paper-lined sacks, is £137 per ton, delivered in the United Kingdom.

Potassium nitrate. — Pharmacopœial quality is 145s. per cwt. (crystal, granular or powder) and commercial, 90s.

THEOBROMINE. — ALKALOID is 40s, 6d. per 1b. and the SODIUM SALICYLATE, 24s. 3d. for 1-cwt. lots.

#### Solvents

ACETALDEYDE. — The 100 per cent. is 140s, per cwt. for drum lots and the 40 per cent., 149s.

ACETATES.—Prices (per cwt.) for drum lots are as follows:—AMYL (technical), 240s. and (B.S. 552: 1950), 242s.; BUTYL (B.S. 551: 1950), 172s.; ETHYL (B.S. 553: 1950), 138s.; ISOPROPYL, 133s.

ACETONE.—Drum lots are quoted at £94 per ton.

AMYL ALCOHOL. — Technical grade is £237 per ton.

BENZENE. — Thiophene-free is 9s. 0½d. per gall. in 50-gall. barrels and pure, 6s. 0½d. per gall.

BUTYL ALCOHOL (B.S. 508: 1950)—1-ton lots are quoted at £156 per ton and drums at £159 per ton.

CARBON TETRACHLORIDE, B.P. — 1-2 carboy lots are £124 per ton. Technical, in 40-gall. drums, in less than 1-ton lots, is £78 per ton; 1 ton and under 2 tons, £76 10s.; 2 tons and under 4 tons, £76; 4 tons and upwards, £75.

DIMETHYL ACETATE. - Drum lots are quoted at 163s. per cwt.

Guoted at 1638, per cwi.

ISOPROPYL ALCOHOL.—Standard grade is £80 10s. per ton (5s. 7\frac{1}{4}d. per gall.) in 10-ton lots. Essence grade is from 16s. 3d. to 19s. per gall., as to quantity.

PHTHALATES.—Prices (per lb.) for drum lots are as follows:—DIAMYL, 3s.; DIBUTYL, 2s. 1\frac{1}{2}d.; DI-ISOBUTYL, 1s. 11d.; DIETHYL (normal grade), 1s. 11\frac{1}{4}d.; DI-METHYL, 1s. 8\frac{1}{4}d.

#### Crude Drugs

ACONITE. — Spot supplies of Spanish napellus have been cleared. Nominal value 3s. 9d. per lb., duty paid.

AGAR.—Kobé No. 1 on the spot is unchanged at 16s. 9d. per lb., duty paid. Shipment, 14s. 3d., c.i.f., new-crop.

ALOES. — Prime Cape spot is 270s. per cwt.; shipment, 265s., nominal; Curaçao is cleared on the spot, afloat is 315s., c.i.f.; no shipment offers.

ANISEED (STAR).—Chinese is 205s. per

cwt., duty paid (180s., in bond).

Antimony. — English 99.6 per cent., £222 10s.; 99 per cent., £210 per ton.

BALSAMS.—Quotations (per lb.) are:— Canada: 20s. spot. Copaiba, B.P., 11s. 6d. Peru is 12s. 6d., duty paid; forward de-livery, 11s. 3d., c.i.f. Tolu (genuine as imported), 26s. 6d. spot, and 26s.. c.i.f.

Belladonna. — Root testing 0.42 per cent. is offered at 2s. per lb. and leaves testing 0.514 per cent., at 3s. 6d.

BENZOIN.—Sumatra block on the spot is firm at from £27 10s, to £32 per cwt.

BUCHU.—Scarce on the spot at 7s. per o., nominal. New-crop indications are 1b., nominal. 4s. 6d., c.i.f.

CAMPHOR. — B.P. POWDER is nominally 7s. 6d. per lb., duty paid. A parcel of Formosan for shipment is offered at 6s. 9d., c.i.f.

CAPSICUMS.—East African on stalk are 160s. per cwt., spot. A stalk, 205s., spot, duty paid. Abyssinian, off

CASSIA BARK. — Whole on the spot is about 90s. per cwt., in bond, and for forward delivery, 81s. 6d., c.i.f. Broken 80s., in bond, and 72s. 6d., c.i.f.

CHILLIES. — Mombasa. Spot supplies offered at 360s. per cwt. and shipment, 350s. per cwt., c.i.f., nominal.

CINNAMON.—Ceylon for shipment (c.i.f.) per lb.; OOOO, 5s. 1ld.; OOO, 5s. 10d.; OO, 5s. 9d.; O, 5s. 8d.; firsts, 4s.; quillings, 2s. 5½d.; chips, 7d.

Cocillana. - Value of bark is 3s. per lb. landed, duty paid.

GALANGAL.—Root is quoted at 70s. per cwt., c.i.f., for shipment, and spot, 85s. nominal.

GENTIAN.—French natural on the spot has advanced to 122s. 6d. per cwt.

GINGER.—African is lower on the spot at 217s. 6d. per cwt. with shipment offers at 190s., c.i.f., for new-crop. Jamaican No. 3 is dearer at 252s. 6d. on the spot and 250s., c.i.f.

GUM ACACIA. — Kordofan cleaned sorts on the spot sold at 155s, per cwt.; January-February shipment, 137s.; February-March, 133s.; March-April, 130s., c.i.f.

ERGOT. — For shipment Portuguese is 15s. 6d. per lb., c.i.f., and Polish, 7s. 6d., c.i.f. Spot, Portuguese is 16s. 9d.; Hungarian 9s. to 11s., as to test.

Hydrastis. - Root is 18s. per lb., on the spot.

IPECACUANHA. — Colombian afloat is offered at 62s. 6d. per lb., c.i.f. No spot or shipment offers.

Karaya. — No. 1 gum on the spot is quoted at 335s. per cwt., and No. 2 at 235s.

KOLA NUTS. — African halves are available on the spot at  $5\frac{3}{4}$ d. per lb.

LIQUORICE. — Stocks of natural whole root are short on the spot. Quotations include: Anatolian at 70s. per cwt.; Russian, 65s.; Persian, 55s. Block juice quotations are 220s. per cwt. on the spot. Italian stick from 310s. to 475s. per cwt., duty paid.

MENTHOL.—Chinese is 60s. per lb., duty paid, and in bond; afloat, 59s. 6d., c.i.f. Brazilian afloat, 54s., c.i.f., and spot, 57s. 6d., duty paid.

MERCURY. — Nominal spot value is £109 to £110 per flask of 76 lb. ex-ware-

house.

Myrrh.--Aden selected sorts are about £14 10s. per cwt. on the spot. are from £7. Siftings

NUTMEGS. — West Indian 80's quoted at 3s. per lb. on the spot and 2s. 9d., c.i.f., for shipment.

Orange PEEL.—Bitter quarters are offered at 1s. to 1s. 1d. per 1b.

PAPAIN. — Spot value for East African grade one is 17s. 6d. per lb.

PEPPER.—Market steady at lower levels. White Sarawak on spot is offered at 4s. 1½d. per lb. with afloat parcels quoted at 4s. 1½d., c.i.f. Black Sarawak is now 3s. 1½d., spot; afloat, 2s. 9d. to 2s. 10d., c.i.f. Black Malabar is easier at 460s, per cett on the spot and lanuary-Espreary. cwt. on the spot and January-February shipment, 310s., c.i.f.

PODOPHYLLUM. — Peltatum is 330s. per cwt. on the spot. Emodi, afloat, 160s., no spot supplies.

QUASSIA. — Spot quotations for chips are at about 45s.; April-May shipment is about 32s. 6d. per cwt.

RHUBARB, — Chinese is scarce on the spot with offers ranging between 7s, 3d, and 9s, 3d, per lb, as to quality. No offers for shipment.

SAFFRON.—Mancha superior is at about 175s. per lb.

SARSAPARILLA.—Jamaican native red on the spot is unobtainable. Shipment offers are difficult at 3s. 5d. per lb., c.i.f.

SEEDS.—(Per cwt.) ANISE.—No supplies available on spot, nominal quotation about 245s.-250s. CARAWAY.—Dutch is quiet with sellers quoting 180s. spot, duty paid. CELERY.—Indian offering at 152s. 6d., on the spot. CORIANDER.—Market remains steady. Spot, Morocco, 80s., duty paid; Danubian, 65s., duty paid; no English offering. Shipment, Morocco for January-February quoted at 58s., c.i.f. CUMIN.—Steady with small business passing. Spot, Cyprian, 125s.; Morocco, 127s. 6d., duty paid. Shipment, Morocco, reported sold about 105s. 6d., c.i.f.; Cyprian, 106s. DILL.—Indian. unchanged with sellers at 97s. 6d., spot. FENNEL.—Unchanged. Sellers of SEEDS.—(Per cwt.) ANISE.—No supplies FENNEL.—Unchanged. Sellers of Indian and Chinese at 95s., spot. FENUGREEK.—Firm. Spot Morocco is 55s., duty paid. MUSTARD.—English, 70s. to duty paid. MUSTARD.—195s, according to quality.

SENEGA. — Spot value is 23s. 6d. per lb. with shipment offers at 24s., c.i.f.

SENNA. — Tinnevelly LEAVES (per lb.), prime No. 1, 1s. 1d.; No. 2 (dry crop), 9\frac{1}{2}d.; prime No. 3, 8d.; f.a.q., No. 3, 7d.; PODS, f.a.q., 7\frac{1}{2}d.; hand-picked, from 1s. 3d. to 2s. 10d. as to quality, all on the spot. Alexandrian manufacturing pods, 2s. spot.

SHELLAC.—Fine orange, 450s. to 200s., F.O.T.N., 430s. per cwt., ex London warehouse. Other grades are nominal.

SQUILL.—Italian white on the spot is valued at from 85s. to 90s. per cwt.

STRAMONIUM. — Indian Leaves are 75s, per cwt., spot. European to arrive is quoted at 80s. landed.

STROPHANTHUS,-Kombé is from 7s. 6d. per lb. on the spot. Gratus is 14s.

TONKA BEANS.—Frosted Para are 6s. per lb. nominal, spot.

TURMERIC.—Rajapore is quoted at 230s. per cwt. on the spot. March-April shipment is 120s., c.i.f., and April-May, 115s.,

#### **Essential and Expressed Oils**

ANGELICA SEED .-- Price per lb. is now quoted at 260s.

ANISE.—Chinese is quoted at 19s. 9d. per lb. on the spot and 19s. 6d., c.i.f.

BAY.—West Indian is 13s, per lb, on the spot.

BERGAMOT. — Spot quotations are now lower at 67s. 6d. per lb.

BIRCH TAR.—Rectified is about 14s. per lb. in 1-cwt. lots.

CARDAMOM.—Price per lb. is from 370s. or English-distilled and 295s. for imported.

CASTOR. — In minimum 2-ton lots the price of pharmaceutical quality for prompt delivery is £121 per ton, naked ex mill. For forward delivery the price is £116 (February-March).

CEDARWOOD.—Spot quotations for rectified are now 7s. per lb. with Atlas at 5s. CHENOPODIUM.—1-cwt. lots are 49s. per

CINNAMON. — B.P. oil on the spot is quoted at from 77s. 6d. per lb. English distilled from bark is quoted at 27s. 6d. to 30s. per oz. Ceylon leaf, 13s. per lb.,

CITRONELLA.—Ceylon is easier at 7s. 9d. per lb. on the spot and 7s. 4d., c.i.f.; Formosan and Java are 12s. in bond and 11s. 9d., c.i.f.

COD-LIVER.—B.P. is 11s. 6d. per gall. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

CORIANDER.—Russian-seed oil is offered at from 100s, per lb.

CUBEB.—English distilled is 50s. per lb. and imported, 47s. 6d.

JUNIPER BERRY. — Imported oils are offered at 17s. 6d. per lb., duty paid. English-distilled is offered at 75s. to 80s. per lb.

LAVANDIN. - Spot is 19s. per lb. nominal.

LEMON. — B.P. (4 per cent. citral) on the spot is 38s. to 40s. per lb. Californian, 25s. to 40s., c.i.f., as to quality, subject to licence.

LEMONGRASS.—Spot is 18s. per lb. with shipment at 17s. 9d., c.i.f.

OLIVE,—Spanish virgin and pharmaceutical oils (B.P.) are offered on the basis of £214 10s. per 1,000 kilos, f.o.b., Spanish ports for prompt shipment. Equivalent landed terms ex-wharf London/Liverpool: French virgin new-crop or B.P., £220 per 1,000 kilos, c. and f., Lanuary, shipment. January shipment.

ORANGE.—Spot offers for sweet vary between 7s. 6d. and 8s. 6d. per 1b. as to quality. Bitter orange, 24s. spot. Californian sweet, 6s., c.i.f., and coldpressed U.S.P. 9s. 3d., c.i.f., subject to licence.

ORIGANUM. -In original containers the price is 13s. to 14s. per lb.

PALMAROSA.—East Indian is 60s. per 1b. on the spot, and 55s., c.i.f. for shipment.

PATCHOULI.--Penang is 58s. per 1b., duty paid and 56s., c.i.f.

PEPPERMINT. — Arvensis: Chinese is 45s. 6d., spot and 45s., c.i.f. Brazilian is now 36s., spot and 34s., c.i.f. Italian "Mitcham" type oil is 65s. and 62s. 6d., c.i.f. and American, 65s. c.i.f.

PETITGRAIN. — Paraguay is quoted for shipment at 28s. per lb., c.i.f., and 32s. 6d., spot.

PINE.—Pumilionis on the spot is from 16s. per lb.; sylvestris, 9s. Siberian (abietis), 10s. 6d.

ROSEMARY.—Spanish oil on the spot is from 5s. 3d. to 5s. 9d. per lb., duty paid, as to quality.

#### UNITED STATES REPORT

New York, January 19: Gum Acacia amber sorts was up to 22½ cents per lb. from 22, while Gum Benzoin, Siam, hardened to \$3.50 from \$3.25. Some domestic producers of SYNTHETIC VITAMINS were reported to be selling goods in the export market. Trade reports indicated that RIBOFLA-VINE was being shaded in an effort to improve sales. In CRUDE DRUGS, export demand for Cascara Bark continued in fairly good volume. The tight supply position in IPECACUANHA ROOT brought a price advance of 50 cents, while bloodroot was raised five cents to 50 cents per lb. and MANDRAKE ROOT three cents to 48 cents. Wahoo Bark ROOT gained 10 cents to \$2.75 per lb. Lower prices were quoted for CITRO-NELLA OIL, Ceylon, \$1:15 per lb. against \$1:20. A heavy tone continued to prevail in LIME OIL as a result of reasonably good quantities being available on spot in the face of limited sales. Small lot orders were being placed for ESSENTIAL OILS and placed for ESSENTIAL OILS and AROMATICS for the account of the pharmaceutical trade, but other consumers were showing limited interest. Some of the CITRUS OILS were expected to move in better volume in preparation for the Easter season. Some dealers said that recent offerings of LEMONGRASS from India indicated a downward price trend.

#### TRADE MARKS

#### APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," January 5 For natural and partly prepared earths for use in refining oils and fats (1)

BENSIL, 732,/57, by Hermann Bensmann, Bremen, Germany.

For chemical products used in industry, chemical products included in class 1 used in agriculture, horticulture, and forestry; and chemical substances for preserving foodstuffs (1)

CONSERBETA, 734,026, by Naamlooze Vennootschap Noury & Van Der Lande's Exploitatie Maatschappij, Deventer, Holland.

For adhesives for industrial use (1) VIKPRES, 734,515, by Vik Supplies, Ltd., Stafford.

For casein for use in industry (1)

PAKOTA, 735,672, PAKOVA, 735,674, by A. J. Mills & Co., Ltd., London, S.E.1.

For all goods (3)

MACTHRIFT, B733,331, by L. D. Seymour & Co., Inc., New York, U.S.A. DONGE, B734,506, by Colgate-Palmolive, Ltd., London, W.C.2.

For non-medicated toilet preparations (3) DIANA MARSH AFRICAN PRINCESS, and device, 733,202, by A. J. Siris Products, Ltd., Lanchester, Durham, INGOL, B733,623, INGO-LEEN, 733,625, by Moore Medicinal Products, Ltd., Aberdeen, MELVET, 734,731, by Melvet Ltd., Glasgow.

For medicated preparations for human use in the treatment of the teeth and sums (5) TIRANAL, 720,446, by Lingne G.m.b.H., Dusseldorf, Germany. by Lingner-Werke,

For pharmaceutical preparations and substances (5)

TU-FON, 720,447. by Lingner-Werke. G.m.b.H., Dusseldorf, Germany.

For pharmaceutical preparations for use in the treatment of asthma (5)

AKTRENASTA, 731,126, by Asta-Werke, A.G., Chemische Fabrik, Brackwede, Westphalia, Germany.

For preparations included in class 5 for protecting and preserving plants, fungicides and insect repelling preparations for personal use (5) AKAR 338, 732,650, by J. R. Geigy, A.G., Basle, Switzerland.

For all goods (5)

CYTATROPE, 733,148, Glaxo Laboratories, Ltd., Greenford, Middlesex, INGOL, B733,624, by Moore Medicinal Products, Ltd., Aberdeen, CONSERBETA, 734,027, by Naamloose Vennootschap Noury & Van Der Lande's Exploitatie Maatschappii, Deventer, Holland. MYCARTAL, 734,782, by Winthrop Products, Ltd., London, S.W.1. SENABIX, 734,982, by Ltd., London, S.W.1, SENABIX, 734,982, by The British Drug Houses, Ltd., London, N.1, SYLVITOX, 735,033, by May & Baker, Ltd., Dagenham, Essex, ASTIPAN, 735,994, NITO-MAN, 735,068, by Roche Products, Ltd., Welwyn Garden City, Herts, CEMATIL, 736,091, PRONICON, 736,092, by Parke, Davis & Co., Michigan, LLSA Michigan, U.S.A.

For chemical preparations for use in the destruction of acari, fungi, bacterial pests, vermin, in-sects and weeds (5)

SPROID, 733,858, by May & Baker, Ltd., Dagenham, Essex.

For pharmaceutical preparations for the treatment of intestinal infections (5)

NIMAROL, 734,199, by Ciba, Ltd., Basle, Switzerland.

For sanitary tampons (5)

LILLETS, 735,422, by Lilia, Ltd., Oldham, Lancs.

For bandages (5)

CREVIC, 735,218, ELVIC, 735,219, by Grout & Co., Ltd., Great Yarmouth, Norfolk.

For pharmaceutical estrogenic preparations (5) PABESTROL, 735,664, by Paines & Byrne, Ltd., Greenford, Middlesex.

For surgical, medical, dental and veterinary in-

strunients and apparatus (10) TU-FON, 720,448, by by Lingner-Werke, G.m.b.H., Dusseldorf, Germany.

#### PRINT AND PUBLICITY

#### Price Lists

EVANS MEDICAL SUPPLIES, LTD., Speke, Liverpool, 19: Drugs, Fine Chemicals, Pharmaceuticals, Counter Adjuncts, Medical and Veterinary Products, January 1955, Pp. 148,

#### Year Book

Proprietary Articles Trade Association, 43
Gordon Square, London, W.C.1: Year-book,
1954-55. Lists the proprietary preparations
of the Association's manufacturer members, indicates protected wholesale and retail prices includes alphabetical list of individual P.A.T.A. articles, Includes a review of the history and scope of the Association and notes on the Fair Prices Defence Committee, Monopolies Commission, Resale Price Maintenance Defence Fund and Glyn-Jones Memorial Fund. Free to all chemists who are of the retail section of the Association.

#### Advertising Campaigns

ALFRED BIRD & SONS, LTD., Devonshire Works, Birmingham, 12: Instant Postum, In News of the World, Daily Herald, Daily Mirror, Sunday Pictorial, People, Empire News, Weekend Mail, Reynolds News, Reveille, Tit-Bits.

LUCOZADE, LTD., Great West Road, Brentford, Middlesex, Lucozade, Half-page in Dally Express on January 28,

#### Booklets and Leaflets

British Road Federation, Ltd., 4a Bloomsbury Square, London, W.C.I: "Round the Mulberry Bush." Pp. 12. Deals with the problem of traffic congestion caused by vehicles carrying abnormal loads. Price one shilling,

#### Show Material

ENGLISH GRAINS CO., LTD., Shobnall Road, Burton-on-Trent: Yestamin showcard.

GUARD BROS., LTD., Soap Works, Nottingham: White Windsor soap. Samples and display material sent on request.

SOUTHON LABORATORIES, LTD., 84 Upper Richmond Road, London, S.W.15: Display material for Esobactulin.

#### **COMING EVENTS**

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

#### Monday, January 24

BIRKENHEAD AND WIRRAL PHARMACISTS' ASSO-CIATION, Central Hotel, Birkenhead, Film show.

#### Wednesday, January 26

NOTTINGHAM BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, General Hospital, Nottingham, at 7 p.m, Miss M. E. Whiteside on "My Visit to Jugo-Slavia."

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, Robin Hood Hotel, Longbridge Road, Dagenham, at 6,45 for 7,15 p.m. Dinner and dance.

Thursday, January 27
CROYDON PHARMACISTS' ASSOCIATION and BRANCH, Pembroke Hall, Wellesley Road, West Croydon, at 7 for 8 p.m. Mr. R. W. Unwin on "Photography with Flash." Joint meeting with Photographic Dealers' Association,

HISTORICAL AND LITERARY SOCIETY, SCHOOL OF Pharmacy, 17 Bloomsbury Square, London, W.C.I, at 5.30 p.m. Dr. E. J. Dingwall (a member of the occult section of the Magie Circle) on "The Problem of Para-normal Healing."

NORTH LONDON PHARMACEUTICAL ASSOCIATION, Café Royal, Regent Street, London, W.1, at 6.15 for 6.45 p.m. Dinner and dance.

PORTSMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Minor Hall, city council chambers, Clarence Parade, Southsea, at 7.30 p.m. Dame Enid Russell-Smith (Ministry of Health) on "The Care of the Patient in his Home, with special reference to the General Pharmaceutical Ser-

#### Friday, January 28

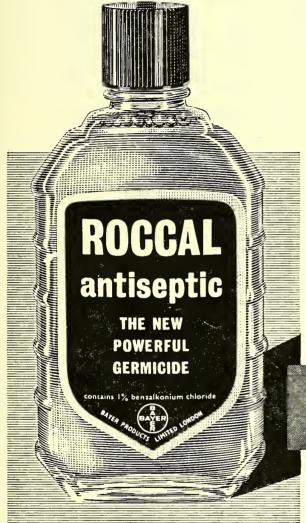
OYAL COMMERCIAL TRAVELLERS' SCHOOLS, Trocadero Restaurant, Piccadilly Circus, Lon-ROYAL don, W.1. Annual festival dinner.

SOCIETY FOR ANALYTICAL CHEMISTRY, School of Pharmacy, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Dr. G. E. Foster on "Microchemical Analysis in Pharmacy," and other papers.

#### C. & D. WEEKLY LIST OF PRICES A-Advanced; R-Reduced; I.R.P.-Incinsive Retail Price; \*-Tax 25 per cent.; †-Tax 75 per cent.

A=Advanced; R=Reduced; I.R	Inclusive Retai	ii Price; = 1ax 25 per cent.;  = 1ax 75 per cent.
CARLTON LABORATORIES LTD.	(SOUTHERN),	100 mgm, 3
Feravol tablets 40 100 250	I.R.P. 4 3 8 0 18 9	100 <b>27 0</b> R
HODGES & MOSS, LTD. Stylatone tablets 30	2 7½ 5 3	25 mgm, 25 30 0 R 100 116 0 R
100		50 mgm. 25 60 0 R 100 232 0 R
(from January 31)	RITAIN), LTD.	JOHN WYETH & BRO., LTD. (correction) Doz.
Ethisterone tablets 5 mgm, 25	7 6 R 25 0 R	Beplete elixir 4 oz. 56 0 6 3 Each 40 oz. 37 6
250 10 mgm, 25	60 0 R 12 6 R	Doz. tablets 50 56 0 <b>6 3</b>
25 mgm. 25 100	45 0 R 26 6 R 100 0 R	Each 250 18 9 Doz.
Glanducorpin ampoules, 2 mgm, 6	5 0 R	Beplex elixir 4 oz. 45 0 5 0 Each
12 25	9 0 R 16 0 R	40 oz. 28 1 Doz.
5 mgm, 3 6 12	4 3 R 7 6 R 14 3 R	capsules 50 45 0 5 0 Each 250 15 0
10 mgm, 3	28 0 R 5 9 R	NEW PRODUCTS AND PACKS
6 12 25	10 0 R 19 0 R 37 6 R	THE CROOKES LABORATORIES, LTD.
Pantestin (oily or aqueous) ampoules 5 mgm, 6	6 6 R	Anabalm* 3 6
25 10 mgm. 6 25	24 0 R 8 9 R 33 0 R	GLAXO LABORATORIES, LTD. Streptopen "250" uterine tablets 6 9 0
25 mgm, 3	8 3 R 15 3 R	HANOVIA, LTD.
12 25	30 0 R 60 0 R 13 9 R	Sollux H8 lamp 195 6  LUFT-TANGEE (LONDON), LTD.
50 mgm, 3 12	54 0 R	Standard swivel lipstick† 5 0

## sell the *blue* antiseptic the hospitals use



In the field of antisepsis, more and more people are turning to 'Roccal'. Increasing use in hospital testifies to its reliability and efficiency.

Powerful in action yet gentle to the skin, 'Roccal' is ideal for use in the home and for all sickroom needs.

Write for fully descriptive literature

ANTISEPTIC

ROCCAL

6 oz. bottle I/IId.

16 oz. bottle 4/3d.

EXEMPT P.T.

#### BAYER PRODUCTS LTD

NEVILLE HOUSE · KINGSTON-ON-THAMES · SURREY

Associated export company: WINTHROP PRODUCTS LTD

C.F ROCCAL IS SOLD ONLY THROUGH CHEMISTS -





CAPPED

These bottles greatly enhance the presentation of packed oils. They are available in  $2\frac{1}{2}$  oz., 5 oz., 10 oz., and 20 oz., capacities.

BEATSON, CLARK & CO., LTD.

Glass Bottle Manufacturers

ROTHERHAM

Est. 1751 YORKS

"The Sign of a



Good Bottle"

|Size: 🖟 high **EXCITE CUSTOM WITH** Sets from 44/-KENNETT PRICE MARKERS

Send for FREE SAMPLES 55 Eastgate Street · Winchester · Hants.

ALPHABET SETS TO MATCH

cleon-cut, shiny white plastic. It is almost unbreokable, will not wear. A rinse in soopy water makes it shine like new. To moke up, clip figures into bose. They line up themselves. Kennett markers stand onywhere, or pin to materiol (bases ready pin-holed). They excite trode, reflect volue. Hundreds of pieces in one set, giving thousands of prices guaranteed for a lifetime. See them. No need to buy, just look.

KENNETT PRICE MARKERS



## STANDAR

Distillers of ESSENTIAL OILS since 1923

Manufacturers of AROMATICS, PERFUME BASES AND FLAVOURS.

We specialise in CINNAMON BARK OIL, JUNIPER BERRY OIL, WINTERGREEN OIL, FRENCH LAVENDER OIL, TERPENELESS LEMON OIL, PEPPERMINT OILS, PERFUME BASES, ETC.

76 GLENTHAM RD., BARNES LONDON S.W.13

Telephone: RIVerside 3616

Monaging Director: JOHN LESLIE HINDLE, B.Sc.

A. CEARLE & CO.

SURGICAL INSTRUMENT MANUFACTURERS



Syringe Steriliser with Extending Rack

WHOLESALE AND **EXPORT** 





Syringe Steriliser Tray



Glass Needle Box

#### A. SEARLE & CO.

SERLANCO HOUSE, 245 ST. JOHN STREET, CLERKENWELL, LONDON, E.C.I Telephones: Terminus 1617, 1618 Cables: A.B.C. and Bentleys Telegrams: "Serlsurg, Smith, London"

Cork Lined sleeves\_ Corrugated pull-through boxes

COMPRESSED PAPER PACKING LIMITED

HORTON ROAD . WEST DRAYTON . MIDDLESEX . Tel: WEST DRAYTON 2237



ROZALEX LIMITED, IO NORFOLK STREET, MANCHESTER 2





C. & G. KEARSLEY LTD.

71 DARTMOUTH ROAD, LONDON, S.E.23

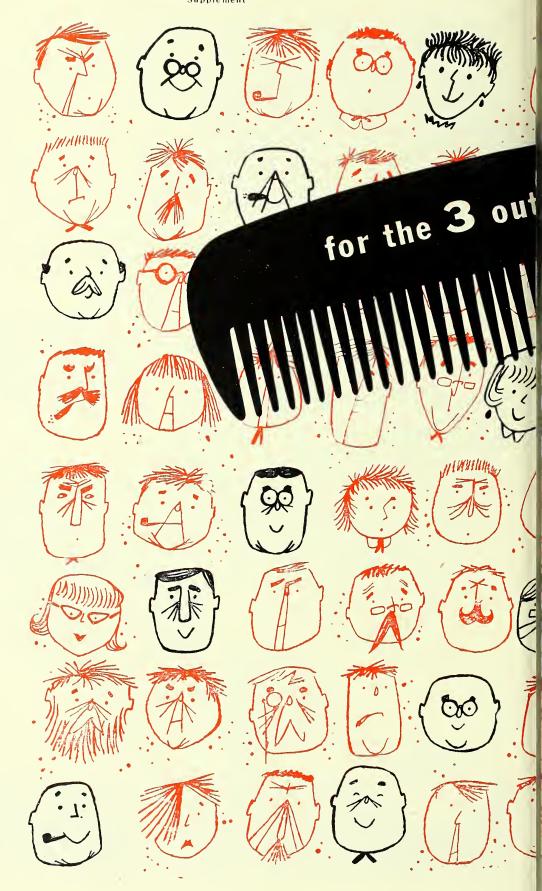
### TANNIC ACID

in the Reign of King George III

DERIVATIVES AND

THE BRITISH DYEWOOD COMPANY LIMITED 19 St. VINCENT PLACE, GLASGOW CI







who have
seborrhoeic dermatitis
of the scalp

For the scalp-scratchers, shoulder-brushers and combclutterers, there's welcome relicf with selsun Suspension.

Published reports on more than 400 cases<sup>1-3</sup> show that
selsun completely controls seborrhoeic dermatitis
in 81 to 87 per cent of all cases, and 92 to 95 per cent
of common dandruff cases. It keeps the scalp free of
scales for one to four weeks — relieves itching and
burning after only two or three applications. Selsun is
remarkably simple to apply, it quickly reaches all areas of
the scalp — leaves the hair clean and easy to manage.

It takes little time. No complicated procedures or messy
ointments. Available in 2 and 4 fluid ounce
bottles with directions on special label.



#### Suspension

- 1 Slepyan, A. H. (1952), Arch. Dermat. & Syph., 65:228, February.
- 2 Slinger, W. N., and Hubbard, D. M. (1951), ibid., 64:41, July.
- 5 Sauer, G. C. (1952), J. Missouri Med. Assn. 49:911, November.

Try SELSUN yourself

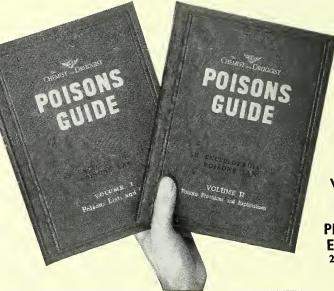
Professional sample together with technical literature will be sent on request to

ABBOTT LABORATORIES LTD · PERIVALE · GREENFORD · MIDDLESEX

#### AN ENCYCLOPÆDIA OF POISONS LAW



## POISONS GUIDE



POISONS
PROVISIONS AND
EXPLANATIONS
235 quarto pages

40s.

(postage 6d.)

VOLUME I

POISONS LIST AND KEY

5.000 entries

20s.

(postage 6d.)

COMPILED AND CO-ORDINATED BY

W. A. WHATMOUGH

B.Sc., Ph.C., F.R.I.C.

No pharmacist, in whatever branch he is engaged, can afford to be without these two volumes, which together form a veritable encyclopædia of poisons law. They provide complete information on what the authorised seller of poisons should do in every situation covered by the Poisons Rules and Dangerous Drugs Regulations and enable poisons to be supplied without the slightest anxiety. Order these essential volumes NOW!

Order from your Bookseller or direct from The Publisher

IMPORTANT NOTICE
TO USERS OF
VOLUME 2

An Addendum to the C. & D.

Poisons Guide, Volume 2, devoted
to the Dangerous Drugs Regulaadditional cost to all purchasers
also be supplied to all previous
of a 2½d, stamp to cover postage.
Addendum should be sent to The
Publisher, 28 Essex Street, Strand,
London, W.C.2.



28 ESSEX STREET · STRAND · LONDON · W.C.2

\*

## Domestos Contraction **3000 Leading Cinemas**

22 Million to see hard selling, sales making films programme

The audience for the three popular Domestos 'puppet' films this year will total nearly 23,000,000 spread over 3,100 cinemas.

These three films, amusing, entertaining, pack a mighty sales punch. They really do sell the housewife on the extra effectiveness of Domestos for eliminating the danger lurking in unclean sinks and drains especially "round the unseen bend where no brush can reach".

In more and more homes Domestos is giving hospital cleanliness the pleasant, modern way. These films will help your sales of Domestos to keep on growing.



Public opinion very favourable . . . " comments a leading Cinema Manager

That is the opinion of the Manager of one of Britain's largest cinemas on "Your Daily Help"—one of three Domestos films to be screened this year.

\* APPROPRIATE COUNTER & WINDOW DISPLAY MATERIAL AVAILABLE

DOMESTOS LIMITED COLLEGE WORKS, NEWCASTLE UPON TYNE, 6



# the first name in hair colouring

Women everywhere know they can rely on Inecto Rapid, the world's most famous hair colouring, to restore youthful radiance to white or grey hair. And the new Four-in-One series, backed by regular advertising on a nation-wide scale, is becoming more and more popular as the easy, pleasant way to bring back glowing highlights to hair that is faded or showing those first grey streaks.

PRICES OF THE TWO CONVENIENT SIZES (RAPID AND FOUR-IN-ONE) ARE AS FOLLOWS:-

Small size (one pair A and B bottles) 2/6 wholesale (plus P.T.), retailing at 5/6.

Large size (four pairs A and B bottles) 7/-wholesale (plus P.T.), retailing at 15/9.

Available through all wholesalers.

#### INECTO ENQUIRY BUREAU

27 DOVER STREET, LONDON, W.1 Hyde Park 7541 (12 lines)



Benzoyl Peroxide
Organic Peroxy Compounds
Magnesium Peroxide, Zinc Peroxide
Urea Hydrogen Peroxide
Sodium Perborate
Sodium Percarbonate
Persulphates
Titanium Dioxide
Barium Sulphate B.P.
Sodium Lauryl Sulphate
Emulsifying Waxes

LAPORTE CHEMICALS LTD., LUTON Phone: Luton 4390 Grams: "Laporte Luton"

## 'SURCO'

SURGICAL ELASTIC
HOSIERY

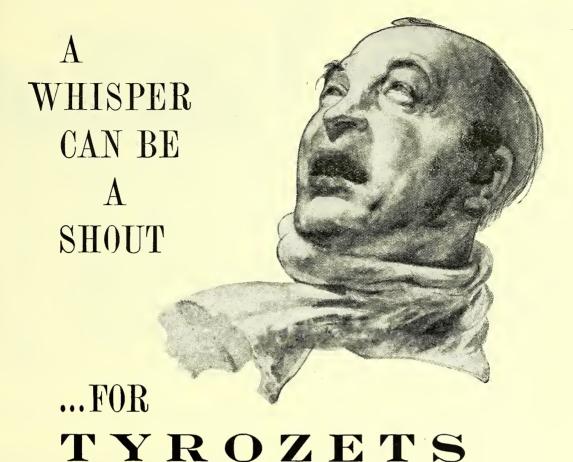
SEAMED. SEAMLESS.
TWO-WAY STRETCH.
ELASTIC NET.

SURGICAL BELTS
TRUSSES AND SUNDRIES

Over 60 years' service of everything surgical

SURGICAL HOSIERY CO., LTD.

Russell Street, NOTTINGHAM
Telephone No. 75903 Telegrams: Surgical Notts



Antibiotic-Anaesthetic Throat Lozenges

When the victim of a sore throat can hardly whisper... the condition shouts for 'TYROZETS'. These pleasant, slow-dissolving lozenges soothe the irritated mucosa through their harmless analgesic content, and exert a continuous germicidal effect against the gram-positive bacteria commonly found in the larynx and the oral cavity.

'TYROZETS' rapidly relieve pain and discomfort—carry antibacterial medication into minute tissue crevices—combat the pathogenic invaders by concentrated local antibiotic action.

#### SPECIAL BONUS

A free bonus of six tubes 'Tyrozets' will be given with every  $5\frac{1}{2}$  dozen tubes ordered—6 doz. invoiced as  $5\frac{1}{2}$  doz. Larger quantities pro rata.

\* 'Tyrozets' is a Registered Trade Mark

SHARP & DOHME LTD., HODDESDON, HERTS.





Burson Stockings, made exclusively on special knitting looms, are the product of ten years' intensive research into the making of surgical stockings.

Always dispense and recommend Burson 2-Way Stretch Hosiery and ensure your customers' complete satisfaction. The quality—finish—colour and durability of Burson Hose make them the first choice of those who appreciate the best. Burson Stockings are fully fashioned and virtually indiscernible in use.

Burson Stockings are advertised in the Medical Journals and in a strong list of National Weekly Newspapers and Women's Magazines.

#### DISPENSE BURSON whenever 2-way stretch elastic or Lastex hosiery is prescribed

AVAILABLE FREE ON REQUEST WITH BURSON STOCKINGS:-

- Instruction Chart with details for measuring, fitting and exact adjustment to fit and tension.
- Individual Measurement and Order Forms.
- Instructions for mending and washing.

## BURSON

TWO-WAY STRETCH HOSIERY
IS MADE FROM LASTEX YARN

Sole Distributors:— FASSETT & JOHNSON LTD., 86, CLERKENWELL ROAD, LONDON, E.C.I

#### IN LONDON

## askit

stocked and supplied by:

Allied Drug & Chemical Co., N.W.1

Barclay & Sons Ltd.

Brooks & Warburton Ltd., S.W.1

Butler & Crispe Ltd., E.C.1

R. Hovenden & Sons Ltd., E.C.1

May, Roberts & Co. Ltd., N.16

Martindale's, W.1

Sangers Ltd., N.W.1

United Chemists Association Ltd.

and other leading wholesale houses throughout the country

ASKIT LTD., MANUFACTURING CHEMISTS, GLASGOW N.



## Gosheron TAPES

seal them

SPEEDILY

SECURELY

ATTRACTIVELY

Let us help you solve your

own sealing problem

JOHN GOSHERON & COLTD GAYFORD ROAD LONDON W12



WHITECROSS **SUNGLASS SALES BOXES** 

WHITECROSS OPTICAL COMPANY (LONDON) LTD. 55 WHITECROSS STREET LONDON, E.C.1

Tel. MONarch 0114

#### A FURMAN of London, Hair Beauty Creation

0ur 1955 advert. **Programme** is doubled **MILLIONS** MORE WOMEN will be **Demanding** YOU to supply.



This really fast selling NATIONALLY ADVERTISED product shows 75% profit on cost. Is packed in most attractive polythene self spray bottles in smart carton. Showcards, Window Streamers, and other advertising material is free on request.

From your usual wholesoler or direct.

Dept. CD.I. B. N. FURMAN (Productions) LTD., 133, FONTHILL ROAD, LONDON, N.4.



There's always a sale for

HOME TRADE



**EXPORT** 

## **IPECAC** BUCHU WILD CHERRY BARK

and all other Botanicals, Gums, Waxes, Essential Oils and Spices

JOHN KELLYS (LONDON) LTD. 24 OLD BROAD STREET, E.C.2

> Telephone: LONdon Wall 4882, 6585 (3 lines) Telegrams: "Ergotine, Stock, London"

NEW YORK · HAMBURG

ESTABLISHED 1793

The Infants' Medicine of 150 years' standing

For teething and digestive troubles

BARKER 13 ALISTAIR STREET, MANCHESTER, 1

## "ZORBO" (REG'D)

### Superfine Cotton Wool

This is a very old Trade Mark of ours and a product for many years in use by the Medical Profession and all those requiring a First Class Superfine Cotton Wool. Now packed in attractive white Cartons in various sizes and would be readily acceptable to your more exacting customers.

> Of course this is just one of our Manufactures. We also supply in Cartons all BPC Dressings in Cotton Wool, Lint and Gauze.

Our Products are obtainable from Wholesalers, but should you have difficulty a line to us will have prompt attention.

ROBERT BAILEY & SON, LTD.

SURGICAL DRESSINGS MANUFACTURERS

DYSART STREET. GREAT MOOR. STOCKPORT

Promp: STEPPING MILL 3006/7 Grane. "UNDISPUTED" STOCKPORT

#### RECOMMENDED FOR NERVES FOR OVER 70 YEARS

Dr. NIBLETT'S NERVE SEDATIVE

Retail price 6s. per bottle including purchase tax.

TRADE DISCOUNT 331%

C. P. NIBLETT 10 LICHFIELD TERRACE, RICHMOND, SURREY Teleph ne : RICHMOND 3221

MZO ALWAYS MEANS CLEAN HANDS

ASK YOUR WHOLESALER, OR WRITE: WIMSOL LTD., KEIGHLEY, FOR TERMS

#### C. & D. REFRESHER COURSE

for PHARMACISTS

Send remittance with order to-

The Publisher, THE 28 ESSEX STREET

CHEMIST AND DRUGGIST · LONDON · STRAND

Up to the minute information - compiled by a team of experts — Reprinted from "THE CHEMIST & DRUGGIST."

WIDE SELECTION OF TECHNICAL SUBJECTS FULLY COVERED

PRICE 3/- Postage 2d.

## NIGHTDRIVING GLASSES

—the new accessory that every Motorist wants!

Manufacturers: FISH OPTICAL CO. LTD.\* McNeish House, 261 HARROW ROAD, LONDON, W.2
Tel.: CUNNINGHAM 8318 & 8267

★Makers of the world-famous 'SUNGARD' Sunglasses

SELLING A PRODUCT 17'S THIS ONE'S

11,608,000 people will see this

## HALF PAGE - DAILY EXPRESS

JANUARY 28th!

it tells a story that will bring even more people into your shop to ask for LUCOZADE!

This is going to be a peak-sales year for Lucozade. The graph-line is rising already—so don't be afraid that you may order too much. Ask yourself, now, "Will my stocks be sufficient or will my customers have to go to the shop down the road." Think well—order well. Backed by this tremendous advertising campaign Lucozade will be one of your biggest profit-makers this winter.

WINTER TIME IS LUCOZADE TIME your cash till will prove it!



REPLACES LOST ENERGY

# Your own proprietary lines manufactured and packed in AUSTRALIA

Australia's high standard of living makes it a rich market for proprietary lines — chemists' lines, cosmetics, groceries, horticultural and veterinary products etc. To avoid difficult import restrictions, and freight and insurance costs, many manufacturers are now having their goods prepared and packed in Australia.

Since 1888

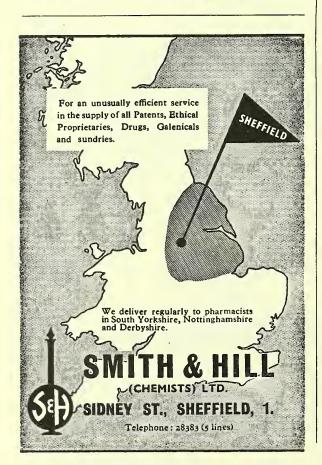
Simpson's Manufacturing Pty. Ltd., of Melbourne, Victoria

and Sydney, New South Wales, has been producing articles of this kind since 1888. They now list over a thousand clients from all parts of the world. Clients' specifications are faithfully followed and utter secrecy is observed. Distribution, marketing and advertising facilities in all states are available if required.

Further details and quotations will be gladly given without obligation.



Barkly Avenue, Burnley, Melbourne, E.1., Victoria, Australia.





Popular and profitable

Elastic Net Bandage (above) Supplied with ordinary National Health prescription. The fine elastic net provides firm, constant support without restricting movement.

Metatarsal Pad (right)

Chamois covered foam rubber pad with band of Lastonet. Exerts corrective influence to relieve arch strain and tired feet.

Arch Binder
Affords relief in cases of strained arches.

Finger Stalls Require no strap or binding. In five sizes. Adjustable Brace Attachment. Elastic For male wearers of surgical stockings

\*Liberal discount to all stockists

LASTONET PRODUCTS LIMITED, CARN BREA, REDRUTH, CORNWALL



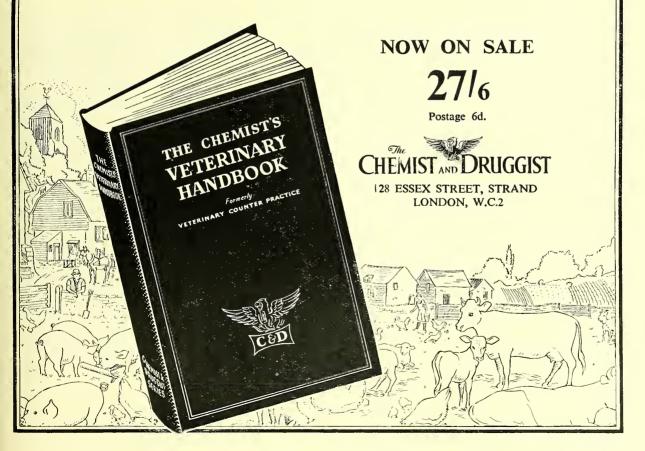


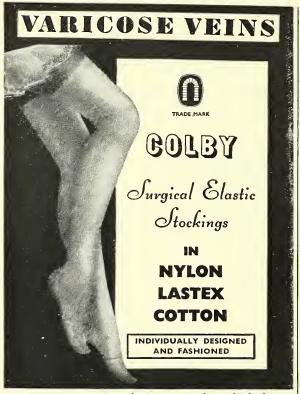
Every country chemist, every chemist with pet-owning customers, needs a copy of this NEW work—

## THE CHEMIST'S VETERINARY HANDBOOK

(formerly VETERINARY COUNTER PRACTICE)

The changes that have transformed veterinary medicine, as they have transformed human medicine, are all dealt with in this expertly written book. Its information on animal diseases is up-to-date and adequate for all the purposes of the pharmacist, enabling him to answer the inquiries and meet the requirements of members of the veterinary profession, to dispense their prescriptions, and to handle with knowledge the goods that farmers, poultry keepers, pet owners and animal lovers are accustomed to buy from him.





pines, material, samples, measurement chart and order forms: COLBY PRODUCTS LIMITED

314 EUSTON ROAD, LONDON, N.W.I

### NORVEX"PRODUCTS

SPONGE BAGS · BABY PANTS COT SHEETS · TOILET BAGS FACE CLOTHS · Etc.

EXTENSIVE RANGE OF DESIGNS AVAILABLE AT COMPETITIVE PRICES

WHOLESALE AND RETAIL ENQUIRIES INVITED

CROSSKILLS of NORWICH

## SOUTH AFRICAN MARKET

Alex. Lipworth Ltd., Wholesale Pharmaceutical Distributors, offer facilities for the manufacture, packaging and distribution of Patent, Toilet, Proprietary and Ethical preparations throughout the Union of South Africa and the Rhodesias.

Head Office:

120 JEPPE STREET, JOHANNESBURG.

Branches:

CAPE TOWN, DURBAN, BULAWAYO.

## **PUNCHES**

AND DIES

Whatever your needs, get in touch with us. We have helped others - we can help you.

HOLLAND LTD. **ENGINEERS** 

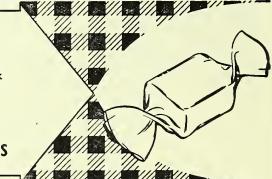
WATERWAY STREET NOTTINGHAM

Telephone: 88103

#### HERE'S A SWEET PROFIT!

These are our new sweets - and how they're selling! Butterscotch flavoured, they contain glucose for quick energy, malt extract to keep you going, and they're packed in ½ lb film bags (no weighing up) with the familiar tartan pattern

Remoden GLUCOSE & MALT CARAMELS



JEFFREYS, MILLER & CO. LTD. LEYLAND N

list

A NEW LINE FOR YOUR SMARTEST CUSTOMERS

## Raymond

### Hair Lacquer-Plus-Perfume

- The first Salon-created Hair Lacquer. \*
- Highly concentrated in a new anti-corrosive spray-tin.
  - Gives the hair a brilliant sheen 🚜 and a pervasive fragrance.
  - Holds set in place and preserves style. -
  - One tin lasts for months, and will not deteriorate.
- Retails at 12/6. Packed in outers of 6 tins. Price to you 5/8 a tin (plus 75% P.T.) showing you a profit of 3/1 per tin after deduction of discount.

Distributed by WARNER, HARVEY & CO. LTD., 28b Albemarle Street, Mayfair, London, W.I.



Matter FREE



## antipeol products of proved efficiency

Their success is due to the incorporation into a proved healing ointment base, of the anti-virus filtrates of the microbes common to most cutaneous, nasopharyngeal and ocular complaints.

#### 🕝 Indications :

Immediate efficacy in the treatment of BURNS and SCALDS. Invariably averts surgical intervention in the case of BOILS, whilst ABSCESSES, ECZEMA, CARBUNCLES, VARICOSE ULCERS, HAEMORRHOIDS and certain types of DERMATITIS are equally responsive

#### Indications:

ASTHMA, BRONCHITIS, CATARRH, CORYZA, RHINITIS and many other infections of the naso-pharynx.

#### Indications:

BLEPHARITIS, CONJUNCTIVITIS, DACRIOCYSTITIS, KERATITIS and other inflammatory conditions of the eye.

AMONG the Medical and Nursing Profession and The First Aid Associations, the ANTIPEOL preparations enjoy a continued and growing popularity. ANTIPEOL Cutaneous Vaccine OINTMENT and its associated products RHINO-ANTIPEOL and OPHTHALMO-ANTIPEOL are highly regarded as simple but effective remedies against even the more virulent forms of skin, nose and eye infections. Wise chemists have been, and are still participating, in the steady sales increases over the years.



ANTIPEOL CUTANEOUS OINTMENT

RHINO-ANTIPEOL PROPHYLACTIC NASAL CREAM

OPHTHALMO-ANTIPEOL THERAPEUTIC OPHTHALMIC OINTMENT

MEDICO-BIOLOGICAL LABORATORIES LTD.

CARGREEN ROAD, SOUTH NORWOOD LONDON S.E.25 Supplement

28 ESSEX STREET, STRAND, LONDON, W.C.2 

#### COMPANY ORRIDGE

184 STRAND. W.C.2 Tel.: TEMple Bar 9212/3 & 6340

C-EMIST BUSINESS TRANSFER AGENTS AND VALUERS WHOLESALE AND RETAIL

BRANCHES: BIRMINGHAM · SOUTHAMPTON · LIVERPOOL · SHEFFIELD · CARDIFF

Irish Representative: Mr. J. A. Bassett, Ph.C., 57 Great Victo ia Street, Belfast, Northern Ireland. Tel: Belfast 27078 

#### **BUSINESSES FOR DISPOSAL**

17/6 for 36 words (min.) then 4d. per word.

COLCHESTER, Established over 100 years, dispensing chemists, ophthalmic opticians and photographic dealers, Turnover £7,000. Price £1,600 s.a.v, Lease modern premises, Thos. D. Brook & Son, Chartered Auctioneers and Estate Agents, 155 High Street, Colchester, Phone 4414.

WHOLESALE CHEMIST'S BUSINESS for sale including stock in trade, approximately £1,000; debtors, £2,200; goodwill, £1,000, Good connection with chemists in Lancashire and Cheshire and with doctors throughout the North of England, Substantial agreed income tax losses. This would be a very worthwhile purchase for established chemists' wholesalers, Apply Box C 2094.

#### **APPOINTMENTS**

18/- per half-inch (min.) and pro rata. Box 2/-

#### PHARMACEUTICAL SOCIETY OF IRELAND

OF INFLIAND

The Council will appoint at its next meeting
(a) an Examiner in Biology to the Licence
Examination; (b) an Examiner in Pharmacognosy to the Licence Examination; (c) an
Examiner in Pharmacy to the Assistants' Examination. Applications are invited, to reach
the Society not later than February 1, Particulars may be obtained from The Registrar,
College of Pharmacy, Shrewsbury Road,
Dublin. C 8011

#### THE UNIVERSITY OF LEEDS

Applications are invited for IMPERIAL CHE-MICAL INDUSTRIES, LTD., RESEARCH FELLOWSHIPS in Bacteriology, Biochemistry, Biomolecular Structure, Botany (Plant Biochemistry and Biophysics), Chemical Engineering, Chemistry and Biophysics), Chemical Engineering, Chemistry, Chemistry of Leather Manufacture, Chemotherapy, Colour, Chemistry and Dyeing, Engineering (Civil, Electrical or Mechanical), Fuel and Refractories, Geology (including Geochemistry), Metallurgy, Mining (Selective Flotation and Geophysical Surveying), Pharmacology Physics Physiology or Tavilia Pharmacology, Physics, Physiology or Textile Industries (Protein Chemistry and Wool Textile Engineering). The Fellowships will be of an annual value within the range £600-£900 a year according to qualifications and experience and will normally be tenable for three years. Further particulars can be obtained on request. Three copies of applications (one in the case of applicants from overseas), together with the names of two referees, should reach the Registrar, The University, Leeds, 2, not later than April 15, 1955... C 8000

#### BARNET GENERAL HOSPITAL, WELLHOUSE LANE, BARNET, HERTS

Post-graduate Student (Male or Female)
Applications are invited for the post of Post-graduate Student (male or female) in the Pharmacy Department at this hospital, Candidates must comply with the requirements of the Pharmaceutical Society, Remuneration is at the rate of £350 per annum (plus London Weighting according to age). Applications, stating age, particulars of education, etc., with copies of recent testimonials, to be sent to the Hospital Secretary, as soon as possible.

C 8002

### HACKNEY HOSPITAL, LONDON, E.9

Assistant in Dispensing required. Society of Apothecaries or equivalent qualification essential. Whitley salary and conditions. Apply Group Secretary, above address, with full details. C 7975

#### NORTH WEST DURHAM HOSPITAL MANAGEMENT COMMITTEE

Applications are invited for the under-noted

Senior Pharmacist (resident or non-resident)

(resident or non-resident)
at the SHOTLEY BRIDGE GENERAL HOSPITAL (557 beds).

Appointment offers a thorough experience in all
branches of hospital pharmacy, Applicant would
be responsible for the manufacture of sterile
preparations, Salary and conditions of service
according to the Pharmaceutical Whitley Councit decisions

cil decisions, Applications, stating age, qualifications and experience, together with names of two referees should be sent to the Secretary, Shotley Bridge General Hospital, Shotley Bridge, Consett, co. Durham.

C 7947

#### PRESTWICH HOSPITAL MANAGEMENT COMMITTEE

Locum Chief Pharmacist required for two weeks before March 31, 1955. Fee £15 15s, per week. Apply immediately, giving details and dates available, to the Secretary, Prestwich Hospital, P.O. Box No. 1, Prestwich, nr. Manchester. C 8004

#### ROMFORD GROUP HOSPITAL MANAGEMENT COMMITTEE, OLDCHURCH HOSPITAL, ROMFORD

Assistant in Dispensing required at Oldchurch Hospital, Applicants must hold the Certificate of the Society of Apothecaries of London, Salary and conditions of service in accordance with National Agreement. ment.

Apply in writing to the Secretary, Romford Group Hospital Management Committee, Old-church Hospital, Romford, stating age, quali-fications, occupation, experience and names of two persons for reference. C 8006

#### ST. BARTHOLOMEW'S HOSPITAL,

Two vacancies exist for Pharmacists. Salary in accordance with the Whitley Council scale. Write enclosing two copies of testimonials to the Pharmacist.

## ST. NICHOLAS HOSPITAL MANAGEMENT COMMITTEE Chief Pharmacist

Chief Pharmacist
Applications are invited for the post of Chief
Pharmacist at St. Nicholas Hospital, Gosforth,
Newcastle upon Tyne, 3. Salary £625 x £25—
£725. Conditions of service will be in accordance with the agreements reached by the Pharmaceutical Whitley Council. The appointment
is subject to the National Health Service
(Superannuation) Regulations,
Applications stating age, full details of experience, together with the names and addresses
of three referees, to be addressed to the Physician Superintendent.

cian Superintendent.

G. E. FORD

Secretary. C 7994

## ST. PETER'S HOSPITAL,

CHERTSEY, SURREY (404 Beds)

Pharmacist
required. Salary and conditions of service in accordance with Whitley Scales.
Applications stating age and experience together with the names of two referees to the Hospital Secre

THE MILLER GENERAL
HOSPITAL,
GREENWICH, S.E.10
Senior Pharmacist
Applications are invited for the post of Senior Pharmacist in a well-equipped pharmaceutical department at the above hospital, Inspection of the department may be made by arrangement with Chief Pharmacist (Tel.: Tid 1136). Pharmaceutical Whitley Council salary and conditions. Applications to Secretary, G. & D./H.M.C., St Alfege's Hospital, S.E.10, as soon as possible, C 8003

#### SITUATIONS OPEN

8/6 for 36 words (min.) then 3d. per word.

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

#### RETAIL (HOME)

BASINGSTOKE. Qualified manager required March, for new branch shop, Modern flat (3 bedrooms), rapidly expanding Council Estate (already 3,000). Kenneth E. Reed, M.P.S., 5 Queen's Parade, Basingstoke. C 2071

'UNISEC' from the Single Unit to the Complete Pharmacy WRITE FOR YOUR COPY OF THE STANDARD REFERENCE OF PHARMACY FITTING MYERS of OLD ST. 133/\$ 4 141/7 OLD STREET, LONDON, E.C.1

EST. 1883 815. 1941 C. Ribbands & Sons The Complete Pharmacy Fitters Shortronts and Interiors 3 RAVEY ST., BISHOPSGATE, LONDON. E.C.2.

#### Situations Open—Continued

Situations Open—Continued

BIRMINGHAM (near), Qualified branch manager required for busy middle-class business, also qualified assistant. No Sunday or holiday duties, Salaries £16 to £21 according to experience, Apply to E. Tranmer, M.P.S., 42 High Street, Smethwick, C 2063

DONCASTER CO-OPERATIVE CHEMISTS, LTD., require the services of three pharmacists (male or female). Two as branch managers, one as relief branch manager, 44-hour week; minimum salary £780, plus rota pay, etc. There is living accommodation for one branch manager. Applications, giving usual details, to Secretary, Doncaster Co-operative Chemists, Ltd., St. Sepulchre Gate, Doncaster, C 199 ENFIELD. Young lady assistant (unqualified) required as dispenser for branch with busy N.H.S. Some previous experience escential. Congenial position with three weeks holiday a year, Apply stating age and details of previous experience to A. R. Cross, Ltd., 476 Hertford Road, Enfield, or telephone Howard 1723 or 2916 for an appointment. C 8001 EXPERIENCED unqualified lady assistant required for dispensary and counter. No Sunday or half-day duties, Please state age, experience and salary required, E, Ibbotson, 3 Falconwood Parade, The Green, Welling, Kent.

LEORD. Pharmacist required to manage expanding branch close to busy main-line station. Up-to-date dispensary and excellent supporting staff. Self-contained flat available within easy distance of the branch. Attractive salary and bonus scheme. Apply with full details stating when available for interview to Box C 2086. LADY DISPENSER, unqualified, required for good-class pharmacy in busy market town. Speed, accuracy and good personality escential. Assistance given in finding suitable accommodation, Please give all details of previous experience, age and salary required to Wiffrid E. Dale, Ltd., 27 Market Place. Andover, Hants, ous experience, age and salary required to Wiffrid E. Dale, Ltd., 27 Market Place, Andorer, Hants C 2089
MANAGER FOR DRUG STORE required in

East Kent, where trade requires working up. Knowledge of dispensing an advantage, Write, stating experience, age and salary required to Box C 2074.

MID-KENT. Assistant pharmacist, lady or gentleman, for duties mainly in dispensary of good-class, well-staffed pharmacy. Connenial permanent position with good wage. House available if required, Box C 2088.

#### PHARMACIST

for existing drug store (well established) in busy multiple position in S.W. London. Excellent prospects for the right person. Write, giving age, experience and salary required, Box C 2073.

SOUTH WOODFORD. Pharmacist required to manage attractive well-fitted branch in middle-class area with good dispensing, high-class cosmetic and photographic connections. Generous salary and commission, Permanency. Apply with full details stating when available for interview to Box C 2085.

TWICKENHAM. Excellent opportunity for pharmacist to manage family type business in pleasant riverside district with good living accommodation over. Permanency with superannuation benefits, Good salary and commission, Nicely fitted shop with adequate supporting staff. Apply with full details stating when available for interview to Box C 2087.

#### RETAIL (OVERSEAS)

WANTED for E. M. De Souza & Co., Ltd., Rangoon. pharmaceutical chemist, single, age about 30 years. Salary according to experience, applications should be addressed to Mr. N. R. McPherson, Frank Ross & Co. (London), Ltd., 4 Lloyd's Avenue, London, E.C.3, C 7974

PHARMACIST

PHARMACIST
required for Ceylon, Single man preferred. Initial engagement 4 years, Minimum salary commencing Rs, 9,600 rising to Rs, 10,800 (£720-£810) per annum may be increased according to experience and suitability. Overseas allowance, single Rs, 4,200, or married Rs, 7,200 (£315 or £540) per annum, Passages paid out and home, Provident Fund and other benefits. 6 months' home leave with half-pay, full allowance and free passages on renewal of engagement. Write stating experience and enclose copy references. Box G.67, Willing's, 362 Grays Inn Road, London, W.C.1,

#### WHOLESALE

QUALIFIED or unqualified dispenser with minimum 5 years' experience of dispensing drugs and chemicals required by internationally

minimum 5 years' experience of dispensing drugs and chemicals required by internationally known pharmaceutical manufacturers for stores duties. Top salary paid, pension scheme, canteen facilities, etc. Apply in writing, stating age, qualifications, experience, etc., to: Stores Controller, Bayer Products, Ltd., 15 Central Avenue, West Molesey, Surrey. C 8019

AN IMPORTANT GROUP of companies in the proprietary, pharmaceutical, toilet and allied fields is considering appointing an Assistant Managing Director, preferably within the 35-45 age group, This appointment calls for a man with a successful record and considerable experience in the industry. A thorough knowledge of the introduction, advertising and selling of pharmaceutical and allied preparations in the United Kingdom is essential, and it is also desirable that he should have experience of foreign markets in which the group does considerable business. The position carries full responsibility, subject only to policy control by the Chairman, and offers the possibility of promotion to Managing Director in due course, Salary will be commensurate with qualifications and experience and commencing at not less than £3,500 per annum. Apply in writing in the first instance (in strictest confidence) to Wright Atkinson, Ltd. (Employment Specialists), 70 Queen Victoria Street, E.C.4.

ARE YOU INTERESTED in securing a satisfying and progressive position as a medical

Street, E.C.4, C 8014

ARE YOU INTERESTED in securing a satisfying and progressive position as a medical representative with Sharp & Dohme, Continued expansion will make available a number of territories in the U.K. including areas in Scotland, N, Ireland, Yorkshire, the Midlands and the West Country. Applications are invited from candidates who believe they have a decided bent or flair for representation work. Experience in this field is not entirely necessary since theoretical and practical training is provided, Candidates aged 24-35 who will be prepared to take a long-term view of a job with considerable prospects should send personal details to Home Sales Manager, Sharp & Dohme, Ltd., Hoddesdon, Herts, C 7982

ASSISTANT REQUIRED in home sales department London merchants and importers. Apply Box C 8016.

BACTERIOLOGIST with university degree

Apply Box C 8016.

BACTERIOLOGIST with university degree wanted to take charge of laboratory producing veterinary sera and vaccines. Must be experienced in laboratory techniques and have had at least two years' practical experience. Knowledge of veterinary work an advantage but not essential. Box C 7941.

BAYER PRODUCTS, LTD., require a young BAYER PRODUCTS, LTD., require a young pharmacist for a position in their sales department at Kingston-on-Thames, The post offers good progress for a man who would like to make a carcer for himself in the pharmaceutical industry, Applications in confidence to Sales Director, Bayer Products, Ltd., Neville House, Eden Street, Kingston-on-Thames, Surrey,

BOTTLE TRAVELLER WANTED. Salesman/representative required with previous experience in selling bottles, jars and screw caps. Write giving full particulars to Reliance Trading Co., 13 New College Parade, Finchley Road, London, N.W.3.

C 7989

BURROUGHS WELLCOME & CO. (The Wellcome Foundation, Ltd.) require a General Sales Manager who will be responsible for the formulation and execution of the Company's medical sales policy for their medical products in both home and export markets. Senior Executives on the staff will be considered for the post, Candidates, preferably 40-45 years of age, should have a sound educational background and must possess extensive sales experience. The person appointed will be considered for promotion to the position of Sales Director following the retirement of the present Director. Applications should be made on a special form obtainable from the Secretary. The Wellcome Foundation, Ltd., 183-193 Euston Road, N.W.1. Candidates who were unsuccessful when this post was advertised previously cannot be reconsidered.

CONSIDERED, COATER EXPERIENCE OF ARMER COATER EQUALIFICATION COATER EQUALIFICACION CONTROL CON

EXPERIENCED TABLET COATER required by Wright, Layman & Umney, Ltd., for modern tablet department, Good salary paid; 5-day week; pensions fund in operation. Apply in writing to 66/76 Park Street, S.E.I. C 8015

FULL-TIME REPRESENTATIVE required by perfumery and Soap manufacturers, Previous experience essential, Car owner, Good salary, etc. Replies treated in confidence, Cavalcade, Ltd., 9 Park Hill, London, S.W.4. C 2078

Ltd., 9 Park Hill, London, S.W.4. C 2078

KLENEX TISSUE HANDKERCHIEFS.
Applications are invited from Sales Representatives possessing good personality, above average ability and enthusiasm. The territories in which immediate appointments will be made are (1) Scotland, North of the Tay; (2) Bucks, Berks, Beds and Northants; (3) S, Wales; (4) E, London and Essex. Excellent opportunities provided for personal advancement, Applicants should reside within the territory, and preferably be car owners, Connection with Retail Chemists and Co-ops an advantage, All positions carry a generous salary together with out-of-pocket expenses, Apply in confidence giving full details of age and experience to Sales Manager, Cellucotton Products, Ltd., Carkers Lane, Highgate Road, London, N.W.5.

LONDON MANUFACTURING CHEMISTS wish to appoint a male assistant between the ages of 20 and 30 years for engagement in their manufacturing processes. Man with experience of factory work essential. Apply with full particulars of age, experience, salary required to Box C 204.

MANESTY MACHINES, LTD., Speke, Liver-MANESTY MACHINES, LTD., Speke, Liverpool, 19, require a young pharmacist or chemist to take charge of their experimental and advisory services. The position, which carries a good salary, is one offering scope for initiative, and the successful applicant will require to be both hard-working and energetic. Applications, stating age, experience and qualifications to be addressed to: The General Manager.

PERSONALITY BEAUTY PRODUCTS, LTD., have a vacancy for a representative for the ondon area, Applications should be made in vriting to the offices at Ashby-de-la-Zouch, C 2081 Leicestershire,

#### MEDICAL REPRESENTATIVES

required immediately by Lederle Laboratories for Manchester area. Applicants should be men of striking personality and initiative, should be 25-35 and have a pharmaceutical qualification or experience with an ethical house of detail work among doctors and hospitals. Congenial, well-paid posts backed by outstanding products and first-class promotional material. Liberal expenses, company car supplied. Fullest details in writing to Sales Manager, Lederle Laboratories Division, Cyanamid Products, Ltd., Bush House, London, W.C.2.

#### SPECIAL REPRESENTATIVES

An ethical pharmaceutical Company, part of a world-famous industrial organisation, requires three gentlemen to act as its representatives, (1) In Scotland, (2) In North West England, (3) In South West England and South Wales, in each case with possible visits further afield in the United Kingdom. Their general duties will be to increase the Company's business and prestige among all classes of customer and consumer—medical, veterinary, and dental practitioners, wholesaler, retailer and hospital drug buyer. Applications are invited from pharmaceutical chemists with good retail and hospital background who are, preferably, already engaged as representatives. Special preliminary training will be given at the Company's headquarters in the United Kingdom. Commencing salary offered is £900 per annum; a car would be provided. Briefly written applications, with a full curriculum vitae, should be addressed to Box C 7995. All applications will be treated as confidential. An ethical pharmaceutical Company, part of a world-

#### Situations Open—Continued

MEDICAL REPRESENTATIVES, Sandoz Products, Ltd., invite applications from young men for the immediate appointment of Medical Representative in the following areas:—

(a) Bristol, including Gloucestershire, Somerset, Devon and Cornwall; (b) South Wales, including South Welsh counties and Herefordshire; (c) North West Glasgow and North Western Scotland; (d) Oxfordshire, Berkshire, Buckinghamshire and Northamptonshire, Attractive salary: superannuation scheme in operation. Buckinghamshire and Northamptonshire, Attractive salary; superannuation scheme in operation, Thorough training given, Age not exceeding 32. Applicants should be Pharmacists (preferably F.P.S.) or Science Graduates in Chemistry, Physiology or Zoology, Please send full details of age, education, qualifications and experience, with photograph, to Staff Manager, Sandoz Products, Ltd., 134 Wigmore Street, London, W.1. C 8008

PROCESS WORKER, fully experienced in the production of galenicals required by established manufacturers in their new factory North-west London, Canteen, 5-day week. Apply Box

REPRESENTATIVE for prominent manufacturing and wholesale chemists in veterinary field. Calling on qualified veterinary profession only. To take over sound connection in Southern and Western Counties, with good prospects of further development. Car provided, good Salary and quarterly turnover Bonus. Usual Expenses, Give fullest personal details, including age and experience, etc., in confidence, Box C 7929.

REPRESENTATIVE with an established connection in Wales is required by a well-known

ing age and experience, etc., in confidence, Box C 7929.

REPRESENTATIVE with an established connection in Wales is required by a well-known perfumery house. Salary and commission and car provided. Very full details to Box C 2079.

REPRESENTATIVES with good connections with chemists, hairdressers, and wholesalers, etc., required in the following areas by manufacturer of toilet preparations: (1) Cheshire, Lancashire, Yorkshire and counties north thereof. (2) All counties south of the line Bristol to the Wash. (3) London (with the exception of a few house accounts). (4) Northern Ireland, Full-scale national advertising is scheduled to commence in June, and although representatives will be on a commission basis at first this should give an energetic representative an additional income of at least £5 per week. This is an excellent opportunity for the right men with an eye to the future and possibilities exist for a salaried, expenses and commission appointment during 1956. Write in the first instance to Box C 8010, giving details of area covered, peroid between visits and type of other lines at present carried.

REPRESENTATIVE REQUIRED by firm of manufacturing chemists to call on doctors, hospitals and chemists in connection with ethical pharmaceutical specialities. Territory—Sussex, Kent and Surrey, Applicant must live on ground. Box C 2065.

SCOTLAND. Representative (capable of earning about £1,000 per annum) required by well-established chemists sundries house. Apply in confidence to Box C 2080.

SUGAR COATER REQUIRED. Preferably experienced but not essential. Apply Tablet Manager, Bayer Products, Ltd., 15 Central Avenue, West Molesey, Surrey. Phone: Mol 3262.

C 7978

WHOLESALE CHEMISTS South-west London want experienced checkers and assemblers (male

3262, C 7978
WHOLESALE CHEMISTS South-west London
want experienced checkers and assemblers (male
or female) for sundries department,
Good
wages; pension scheme, Box C 2075,

TWO JUNIOR REPRESENTATIVES required by internationally known pharmaceutical house to undertake special sales promotion activities and to act as relief representatives throughout the U.K. Salary, luncheon allowance and full expenses, including use of a company car, Of the successful applicants one will be resident in the Midlands, but free to travel extensively and aged between 23-28, Previous sales experience is not essential as full training given. Exceptional opportunities for young, well-educated men to embark on progressive sales careers, Send full details of experience and educational background to Box C 8007. TWO JUNIOR REPRESENTATIVES required

YOUNG MAN required as assistant to the Manager, Home Sales Department, Should have pharmaceutical qualification, Salary range £700—£800 p.a. Apply in writing, stating experience. Ref. HAC., The British Drug Houses, Ltd., Graham Street, London, N.1. C 205

YOUNG MAN with enthusiasm and energy is invited to apply for a vacancy as an indoor salesman with a firm of fine chemical manufacturers in the home counties. A knowledge of the chemical trade would be an advantage. Please write stating age, education, background and experience to Box C 8009.

#### WHOLESALE (OVERSEAS)

BEECHAM GROUP, LTD., have managerial vacancies for Chemists (B.Sc., or A.R.I.C.) and Pharmacists (B.Pharm. or Ph.C.) age 25 to 35, in some of their Overseas factories. The positions carry full responsibility for the efficient management (including chemical and physical control of the products) of factories producing medicinal and toilet proprietaries. The successful applicants will receive full training in this country in the manufacture and quality control of the specified proprietaries manufactured abroad. On posting abroad a four-figure salary is envisaged, plus local allowances, Apply in writing; giving full particulars of qualifications and experience to Personnel Controller, Beecham Group, Ltd., 68 Pall Mall, London, S.W.1.

Mall, London, S.W.1. C 7973

PROGRESSIVE pharmaceutical firm in healthy British Colony requires immediately, alert, single young man as qualified assistant (M.P.S.). Knowledge of optics an advantage, Post offers excellent opportunities for advancement. Salary for first term of service (four years) including cost-of-living allowance £110 (approx.) per month, rising by annual increments to £119 (approx.) per month. Passage paid out and home. Annual local leave and six months home leave on full basic pay after tour of four years, Apply with all particulars to Ayrton, Saunders & Co., Ltd., Hanover Street, Liverpool, C 7932

#### SITUATIONS WANTED

3/- for 18 words (min.) then 2d. per word.

#### RETAIL (HOME)

LADY DISPENSER (Hall Certificate), eighteen years' experience, general practice and hospital, requires post doctors or hospital. Accustomed to reception, clerical duties, Box C 2092.

#### WHOLESALE

CHEMIST (B.Sc.), experienced in industrial pharmaceutics and cosmetics in analytical, pharmaceutics and cosmetics in industrial works and managerial capacities, seeks progressive post with small London company.

REPRESENTATIVE with established connection South Wales chemists, desires position with reputable firm, Box C 2046.

REPRESENTATIVE with eight years' experience calling on chemists, wholesale chemists, co-ops, departmental stores, high-class hair-dressers in south-east England and East Anglia, desires change. Own car and te-ephone, Minimum potential remuneration £750 per annum. Present address Middlesex, Available at short notice, Excellent references, Box C 2084.

RETIRED MEDICAL WOMAN with Hall Certificate, desires work with medical and pharmaceutical interest, Box C 2095.

SALES MANAGER, F.Comm.A., M.S.M.A., A.J.I.A., aged 32, toilet and cosmetic trade, seeks appointment; qualified administrator, advertising, promotion campaigns, forecasting and budgeting, merchandising from production to final sale, Box C 2093.

#### **AGENCIES**

17/6 for 36 words (min.) then 4d. per word. Box 2/-

AGENTS (car owners) in several areas to extend sales of fanious non-seasonal edible product with great potentialities. Also additional superbly presented proprietaries. Only those with proved selling ability and strong connections should apply. Fullest particulars in first instance including territory. Box C 2082.

ALPINE SUNGLASSES require established agents selling to chemists, etc. Exclusive patent swivel-action sunglasses and nightdrivers. Special 1955 free sunglasses on showstand offer. Also additional exclusive chemist lines, 10 per cent. commission, Areas now being allocated, 22 Wardour Street, London, W.1. C 2066

#### **AGENCIES WANTED**

8/6 for 36 words (min.) then 3d, per word. Box 2/-

OLD ESTABLISHED FIRM of agents in Eire with 18 wholesale and 1,100 retail chemist accounts open are seeking additional selling and distributing agencies for first-class products. Extensive general connection with over 300 sound wholesale accounts is also available if required. Fullest details on request, Box C 2072

PAKISTAN. Wanted, agencies for drugs, medicines, chemicals, packing material and allied products. Write Western Trades Co., 38 Lakshami Buildings, Karachi.



#### MEDICAL SERVICE REPRESENTATIVES

Leading British House marketing Anæsthetics and other Ethical Pharmacutical Products invites applications from Pharmacists or men with 200d medical background for posts as Medical Service Representatives for London and North of England regions, Remuneration by salary and expenses according to age and experience; pension fund: car provided. Detailed applications to Sales Manager, Duncan, Flockhart & Co., Ltd., 155 Farringdon Road, London, E.C.1. C 8013

#### EDITORIAL POST

A vacancy occurs on the editorial staff of THE CHEMIST AND DRUGGIST for a male pharmacist aged 25-30. The work entails handling news of pharmaceutical affairs and preparing it to appear in print. Experience of journalism is not required but an interest in events and some fluency in writing are essential. The work is exacting, demanding accuracy and speed (even working against time) but is varied and interesting. Apply in writing to the Editor, THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2.

C 7956

#### **BUSINESS OPPORTUNITIES**

17/6 for 36 words (min.) then 4d. per word. Box 2/-

ADDITIONAL good selling line offered to travellers or representatives already calling on chemists. To work on commission basis, Apply Rosedale Products, Ltd., Rosedale Works, Birkbeck Road, E.S. C. 7998
STRIP PACKED ASPIRIN TABLETS, B.P., 5 gr., Inquiries solicited. The Dales Tablet Makers, Ltd., Steeton, Yorkshire. C 185
WHOLESALERS AND AGENTS requiring carded lines of quick-selling aspirin, bronchial, chlorophyll, anti-smoking tablets, etc., send for free samples and particulars to Dept. 7, Ryders, Ltd., "Rydene House," 9a South St., Eastbourne, Sussex. Eastbourne, Sussex.

#### WANTED

17/6 for 36 words (min.) then 4d, per word.

ALL KINDS OF BOTTLES, JARS, SCREW ALL KINDS OF BOTTLES, JARS, SCREW CAPS, cartions, packaging materials and manufacturers' stocks of all kinds bought at fair price for spot cash. We are buyers of merchandise of EVERY DESCRIPTION. Clearance Stocks, Discontinued lines, Surplus and Redundam Stocks, Should you have anything for disposal, please send us samples and particulars. Reliance Trading Co., 13 New College Parade, Finchley Road, N.W.3, C 153 SPOT CASH for surplus stocks of soaps, powders, liar and face preparations, combs, seisders, har and face preparations, combs, scissors, brushes, etc. Ennel Products, Ltd., 25 Sheldon Road. N.W.2, Tel.: Gladstone 5518. C 2062

MEDICAL BOTTILES, tablet boiltes, closures and all types of packaging maiorials purchased, no quantity too large, 'Samples and full details to Nocl Davold & Co., 9 Laurence Pountiney Lane, Cannon Street, E.C.4. Mansion House 3951-2.

SURPLUS/REDUNDANT stocks of stearine/
stearic ac.d, fullest details of grade and melting points, Pyrethrum powder, state origin,
Syntox and other zine oxides, 5 tons of sodium
perborate 10 per cent, activated oxygen, Brilliant green crystals, 100 per cent, Safframine
T, 125 per cent, Apply Box C 8018.

WANTED, Surplus/redundant stocks of lithopone; china clay; barytes; Paris white; lime
yellows; red, Post Office shade; middle, lemon
and orange chromes; light, middle and deep
greens, Ochres; black; blue; red oxide, Samples
required, Apply Box C 8017.

WE WILL PURCHASE for cash a complete
stock, a redundant line, including finished or

we will purchase for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone:—Lawrence Edwards & Co., Ltd., 6/7 Wellingston Close, Ledbury Road, London, W.11. Tel.: Bayswater 4020, 7692. C 140

#### MISCELLANEOUS SALES

17/6 for 36 words (min.) then 4d. per word. Box 2/-

EXTRA SPECIAL BARGAINS:—700 gross new oval brilliamine bottles, 1½ ounce, screw neck, 12/6d. per gross; 200 gross new blue toilet cream pots, 2 ounce, screw neck, 24/- gross; 50 gross U.G.B. 32-ounce powder rounds, screw neck, 36/- gross; 200 gross 6-ounce screw neck powder rounds, screw neck, 1,000 gross; 1,000 gross new 1-ounce pill bottles, screw neck, 7/6d, gross; 1,000 gross q-ounce round tablet bottles, screw neck, 5/- gross; 1,000 gross new 1-ounce blue cork mouth powder rounds, 5/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw caps, all at 2/6d. gross; 10,000 gross new screw

MODERN CHEMIST SHOPFITINGS, drug ranges, wall cases and framcless sliding doors, display counters and showcases; all types of window fittings and display stands. D. Matthews & Son, Ltd., Complete Chemist Shop Fitters and Shop Front Builders, 14/16 Manchester Street, Liverpool.

#### **MISCELLANEOUS**

SHOWCASES, SHOWCASES, SHOWCASES. Latest designs, All sizes including glass counters, Free delivery, Write for details to (Dept. P "), Vandome & Hart, Ltd., Wenlock Rd., London, N. 1 (Established 1660), Showrooms, High St., Kingston-on-Thames, C 196

#### -IMPORTANT-

Box Office numbers are intended exclusively for specific answers to particular advertisements. Price Lists, Trade Circulars, Samples and Printed Matter cannot be forwarded.

-A REVISED AND IMPROVED EDITION OF-

#### PHARMACEUTICAL EMULSIONS AND EMULSIFYING AGENTS

By L. M. Spalton, B.Pharm., M.P.S.

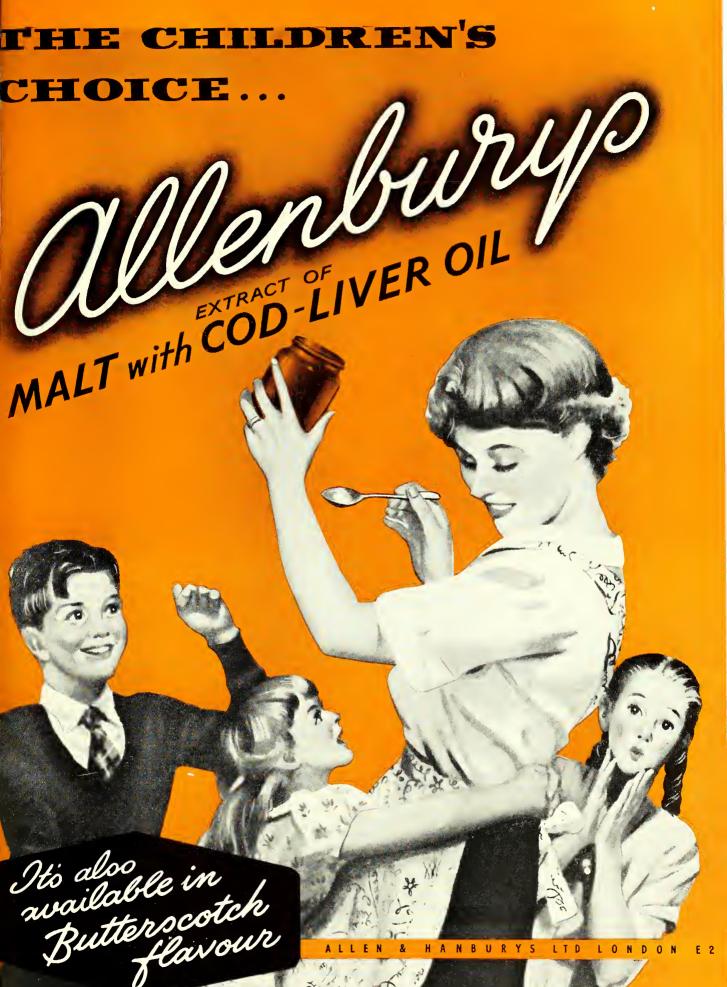
Now Bound in cloth and fully indexed

TODAY, the pharmacist is faced with an almost bewildering assortment of emulsifying agents, having varying properties and requiring different methods of treatment. In this book the considerable range of these products has been classified, together with essential practical points about their pharmaceutical use. The book also contains a classified index of over 300 emulsifying agents with reference to their composition, type and uses, together with an index of manufacturers.

★ Every Pharmacist should possess a copy 7/6 postage 4d.

Order through your bookseller or direct from the Publisher -







**JANUARY 22 1955** 



Doctors everywhere have for years been prescribing FELSOL for the immediate and prolonged relief it gives in asthma. Pharmacists can stock FELSOL with complete confidence since it has the fullest support of the medical profession in hospitals, private practice and Government departments in all parts of the world to which it has been introduced.



Tax-free Dispensing Pack available

PATA

